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ENGINE
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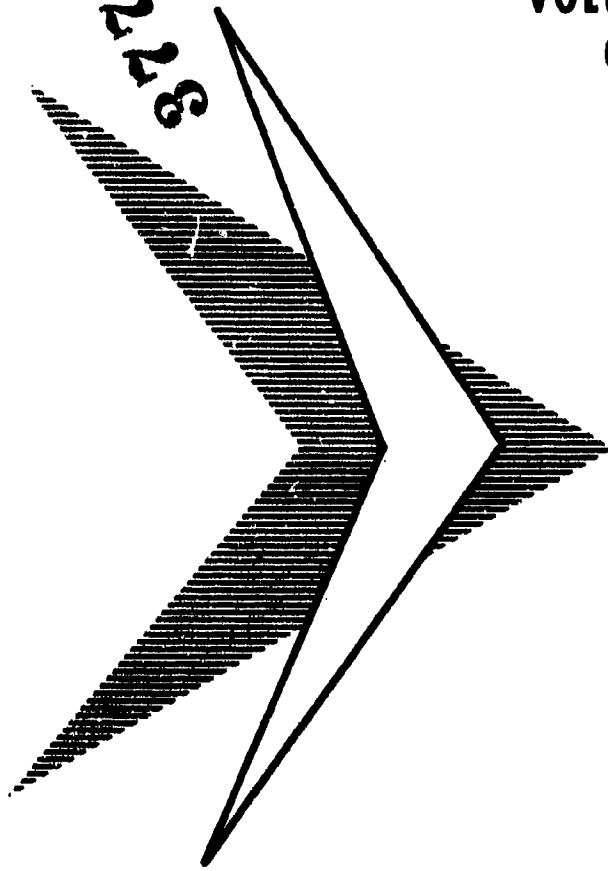
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ENGINE PERFORMANCE REPORT

VOLUME E-IV (F)
GE4/F6A



**Commercial
Supersonic Transport
Engine Proposal**

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P64-1
JANUARY 15, 1964

FLIGHT PROPULSION DIVISION
GENERAL ELECTRIC
CINCINNATI 15, OHIO

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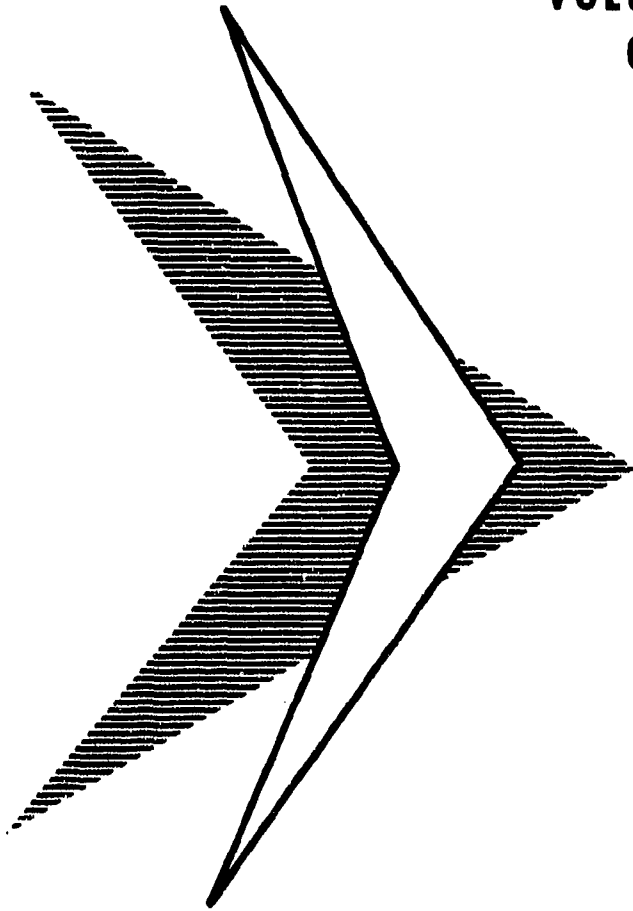
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ENGINE PERFORMANCE REPORT

VOLUME E-IV (F)
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**Commercial
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P64-1
JANUARY 15, 1964

FLIGHT PROPULSION DIVISION
GENERAL ELECTRIC
CINCINNATI 15, OHIO

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FOREWORD

The Flight Propulsion Division of the General Electric Company is submitting proposals on two (2) engines in response to the Federal Aviation Agency Request for Proposal for a Supersonic Transport Engine. These two engines are identified as GE4/J4C - Turbojet and GE4/F6A - Turbofan. Volume numbers contain the Suffix (J) for the Turbojet and (F) for the Turbofan when appropriate.

The volume numbers and titles are listed below for this proposal:

| | | |
|----------|-------|---|
| Volume I | J & F | SUMMARY |
| E-I | J & F | ENGINE WORK STATEMENT |
| E-II | J & F | COMMERCIAL ENGINE MODEL SPECIFICATION |
| E-III | J & F | PRELIMINARY INSTALLATION AND OPERATING MANUAL |
| E-IV | J & F | ENGINE PERFORMANCE REPORT |
| E-V | J & F | ENGINE DESIGN REPORT |
| E-VI | J & F | COMPONENT DESCRIPTIONS AND PERFORMANCE - PARTS I & II |
| E-VII | J & F | ENGINE INSTALLATION |
| E-VIII | | MANUFACTURING TECHNIQUES AND MATERIALS |
| E-IX | J & F | ENGINE TEST PROGRAM PLAN |
| E-X | | ENGINE SYSTEM MOCKUP PLAN |
| M-I | | MANAGEMENT |
| M-II | | MANAGEMENT CONTROLS |
| M-III | | PRODUCT SUPPORT PLAN |
| M-IV | J & F | PRELIMINARY PRODUCTION PLAN |
| M-V | J & F | DEVELOPMENT AND PRODUCTION COSTS |

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ENGINE PERFORMANCE REPORT (F)

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GE4/F6A

SUMMARY

This report (Volume E-IV) presents performance of the General Electric GE4/F6A Turbofan Engine using fuel conforming to GE Commercial Jet Fuel Specification A50T27A date November 11, 1963. The performance is identical to that given by the Estimated Performance Card Deck, R63FPD 378, November, 1963.

Performance is presented in tabulated form over most of the engine operating range. Accurate performance can be obtained directly for many flight conditions, and simple interpolation will yield engine performance for most flight conditions within the flight envelope. Installation effects can be accounted for by applying the given correction factors.

Flight performance (G and A) curves are also included to give a compact graphical presentation of engine performance.

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GE4/F6A

1.1 ENGINE DESCRIPTION

The GE4/F6A turbofan is a lightweight, high performance, augmented engine which has been optimized for the Supersonic Transport mission. High cycle efficiency in the flight regime of Mach 2.5 to 3.0 has been emphasized in the design. Maximum flight speed capability is Mach 3.0 with a maximum altitude capability of 80,000 feet.

The engine performance presented herein is based on an airflow size of 550 lbs/sec at sea level static, standard conditions. This size gives a maximum augmented take-off thrust of 45,000 lbs. The overall cycle pressure ratio at take-off is approximately 11:1.

The major components of the GE4/F6A turbofan include a single rotor fan/compressor with variable stators, an annular main combustor, an air cooled turbine, a modulated mixed flow augmentor, and a convergent-divergent exhaust nozzle which incorporates a thrust reverser.

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GE4/F6A

1. 2 DATA DESCRIPTION

1. 2. 1 Performance Curves

Flight performance (G & A) curves are presented on pages 2-1 through 2-8 showing engine net thrust, specific fuel consumption, and airflow as functions of engine power setting and flight Mach number for the following altitudes:

| | |
|--------------|--------------|
| Sea Level | 45, 000 Feet |
| 15, 000 Feet | 55, 000 Feet |
| 25, 000 Feet | 65, 000 Feet |
| 36, 089 Feet | 75, 000 Feet |

The performance shown in these curves is based on U. S. Standard Atmosphere -1962, MIL-E-5008B ram recovery, no bleed or power extraction, and the proposed exhaust nozzle.

Additional flight performance curves at several important flight conditions are presented. These curves consist of net thrust vs. specific fuel consumption at altitudes of 25000, 36089 and 65000 feet for a nozzle thrust coefficient of 0.985.

The purpose of these curves is to provide a quick indication of a reference performance level of the engine at important flight conditions. More detailed and complete performance is available in the tabulations.

1. 2. 2 Tabulated Performance Data

The engine performance data presented in the tabulations is based on U. S. Standard Atmosphere - 1962, MIL-E-5008B ram recovery, zero bleed, and zero power extraction, and fuel conforming to G. E. Specification A50T27A. The tabulated data include all exhaust nozzle performance effects with the exception of afterbody drag which can be determined from the data provided on boattail geometry. The data presented herein is based on a schedule of exhaust nozzle area and boattail angle which yields maximum uninstalled thrust and is consistent with the data obtainable from the Estimated Performance Data Deck R63FPD378, November, 1963 with the boattail fork (BTFOK) set equal to zero, and with the rotor speed locked up above Mach 1.5 (MONLU=1.5). The data deck also incorporates provisions for operating the engine in the rotor unlocked mode and at different boattail angles.

1. 2. 3 Power Setting Definitions

Performance data are presented for eleven power settings defined as:

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| | |
|--------------|-------------------------------|
| P. S. = 1 | Maximum thrust, augmented |
| P. S. = 2 | Partial augmentation |
| P. S. = 3 | Partial augmentation |
| P. S. = 4 | Minimum thrust, augmented |
| P. S. = 5 | Maximum thrust, non augmented |
| P. S. = 7 | 95% engine RPM* |
| P. S. = 8 | 90% engine RPM* |
| P. S. = 9 | 85% engine RPM* |
| P. S. = 10 | 80% engine RPM* |
| P. S. = 11 | 75% engine RPM* |
| P. S. = 13.4 | 63% engine RPM (flight idle)* |

*The defined speed schedule for power settings 5 through 13.4 is adhered to up to the flight mach number where lockup occurs ($M_o = 1.5$).

At and above the lockup Mach number, engine RPM remains constant at 100% to a T_2 of 955°R where rotor speed is linearly reduced to 95% RPM at a T_2 of 1083°R .

1.2.4 Performance Tabulations

Performance tabulations are presented for nine altitudes and two ambient temperatures.

U. S. Standard, 1962**U. S. Standard, 1962, plus 40°F**

Altitude: Sea Level
5000 ft.
15000 ft.
25000 ft.
36089 ft.
45000 ft.
55000 ft.
65000 ft.
75000 ft.

Sea Level
5000 ft.
15000 ft.
25000 ft.
36089 ft.
45000 ft.
55000 ft.
65000 ft.

The tabulated engine data at each altitude are presented for both ambient temperatures as a function of:

Power Setting (PS)
Flight Mach Number (M_o)

and include correction factors for determining performance at other conditions of ram recovery, bleed extraction, and power extraction.

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1-3

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CURVES

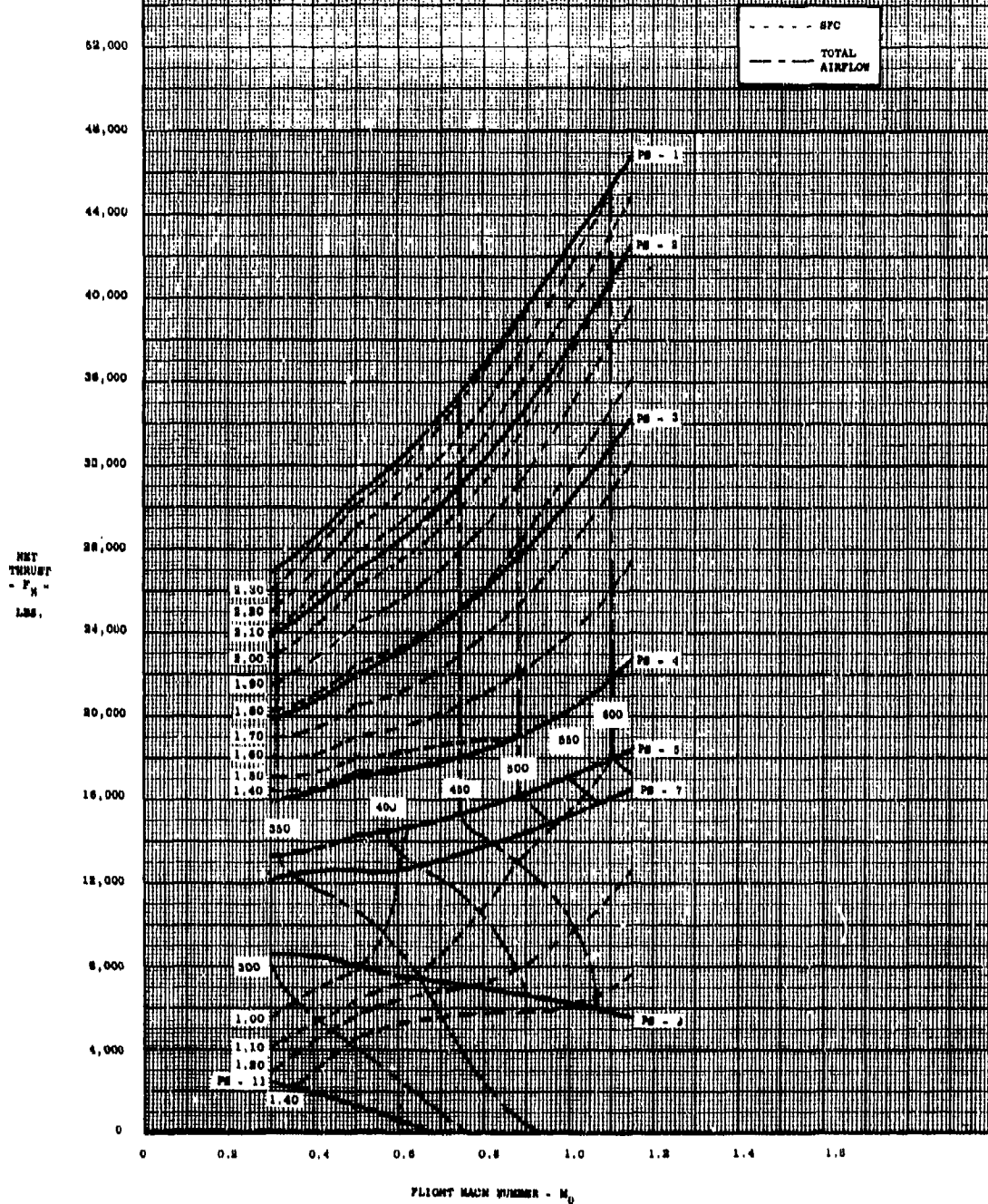
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15000
FEET

ESTIMATED PERFORMANCE
GENERAL ELECTRIC GE4/F6A TURBOFAN ENGINE
U.S. STD. 1962 ATMOSPHERE
MIL-E-8008B RAM RECOVERY

GENERAL ELECTRIC



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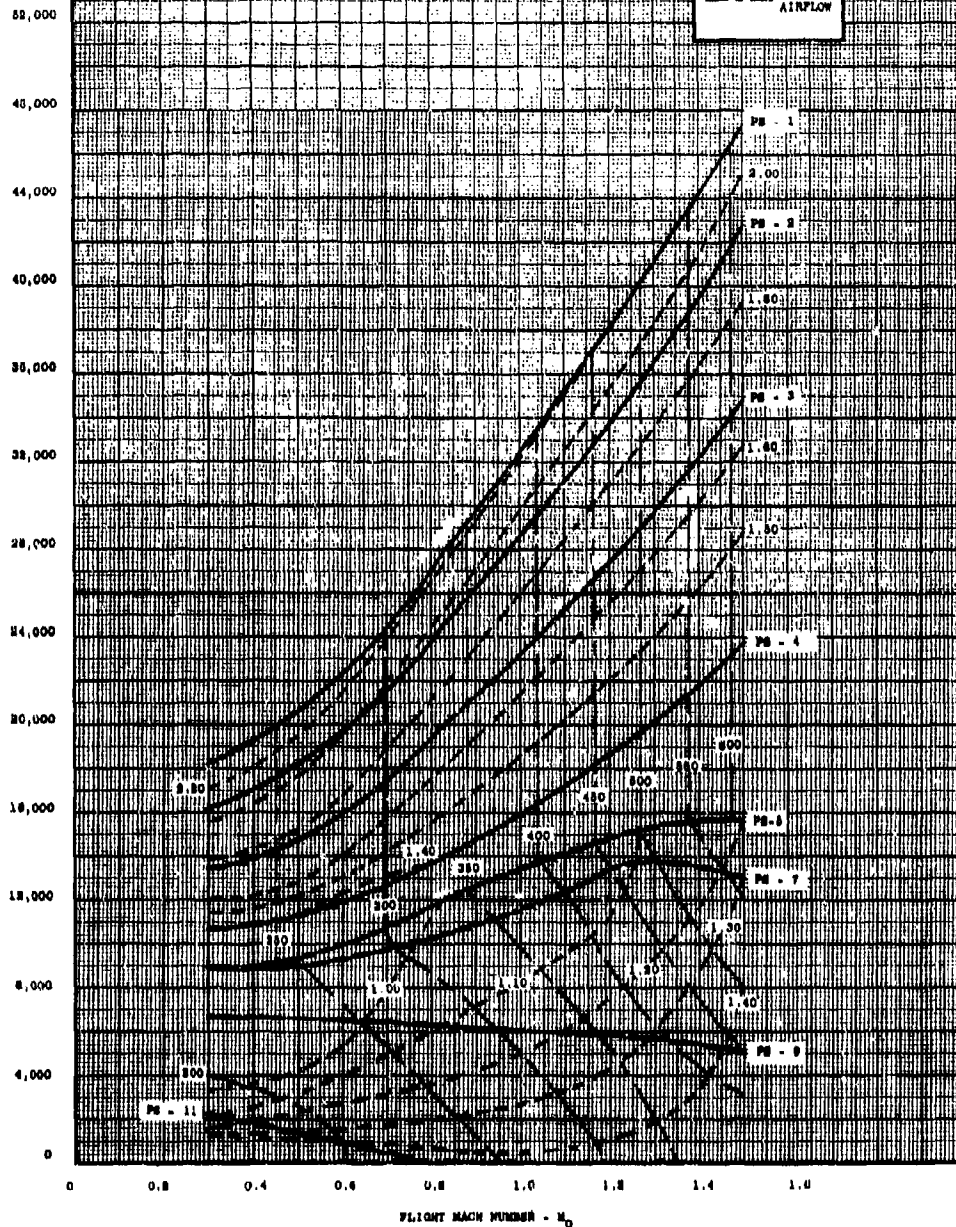
25000
FEET

ESTIMATED PERFORMANCE
GENERAL ELECTRIC GE4/76A TURBOFAN ENGINE
U.S. STD. 1962 ATMOSPHERE
MIL-R-4008 RAM RECOVERY

GENERAL ELECTRIC

----- SFC
----- TOTAL
AIRFLOW

NET
THRUST
- F_N -
LBS.



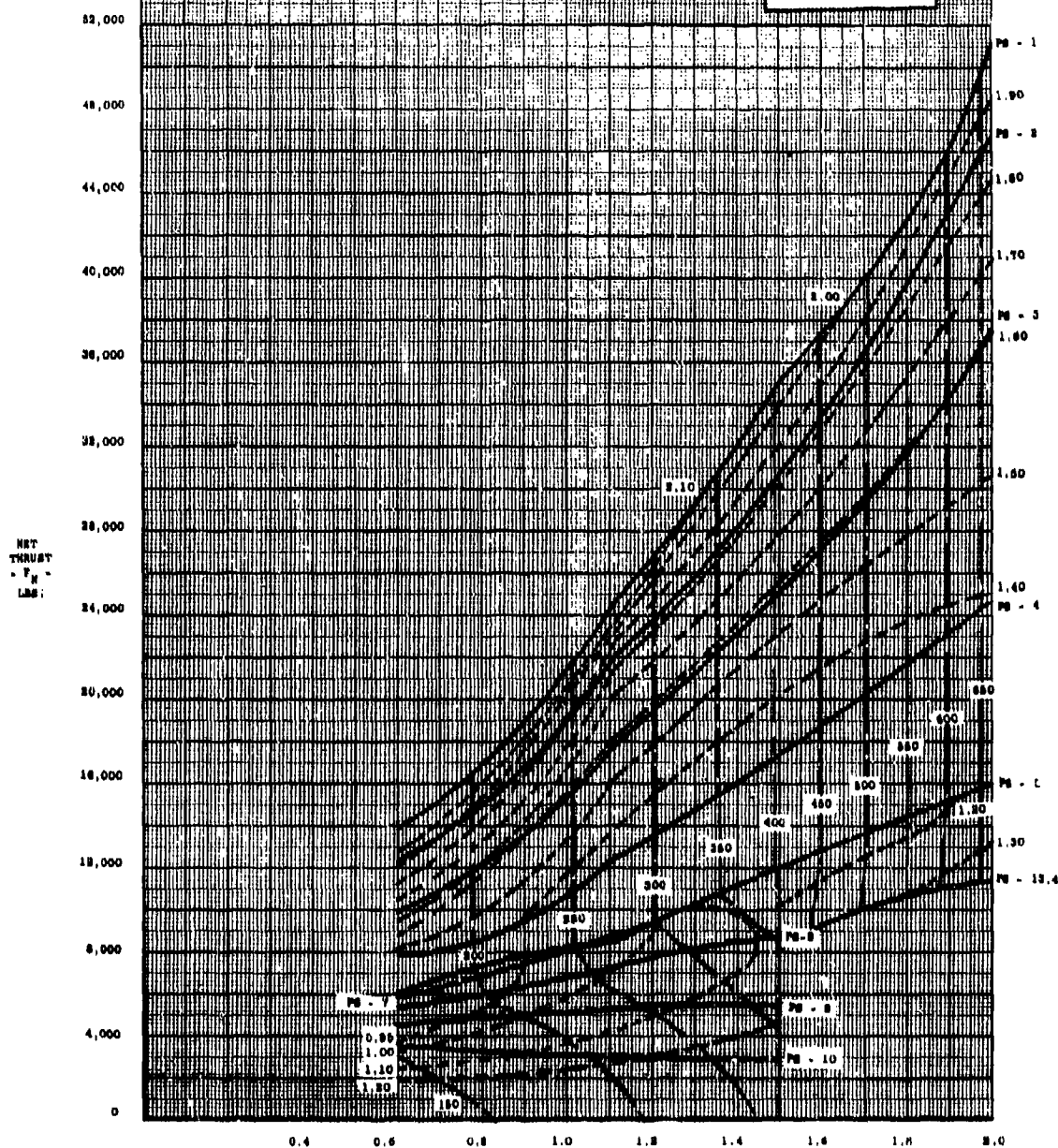
FLIGHT MACH NUMBER - M_0
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ESTIMATED PERFORMANCE
GENERAL ELECTRIC GE4/FGA TURBOFAN ENGINE
U.S. STL: 1962 ATMOSPHERE
MIL-E-8008B RAM RECOVERY

**34080
3000,
FEET**

GENERAL ELECTRIC

----- SFC
----- TOTAL
AIRFLOW



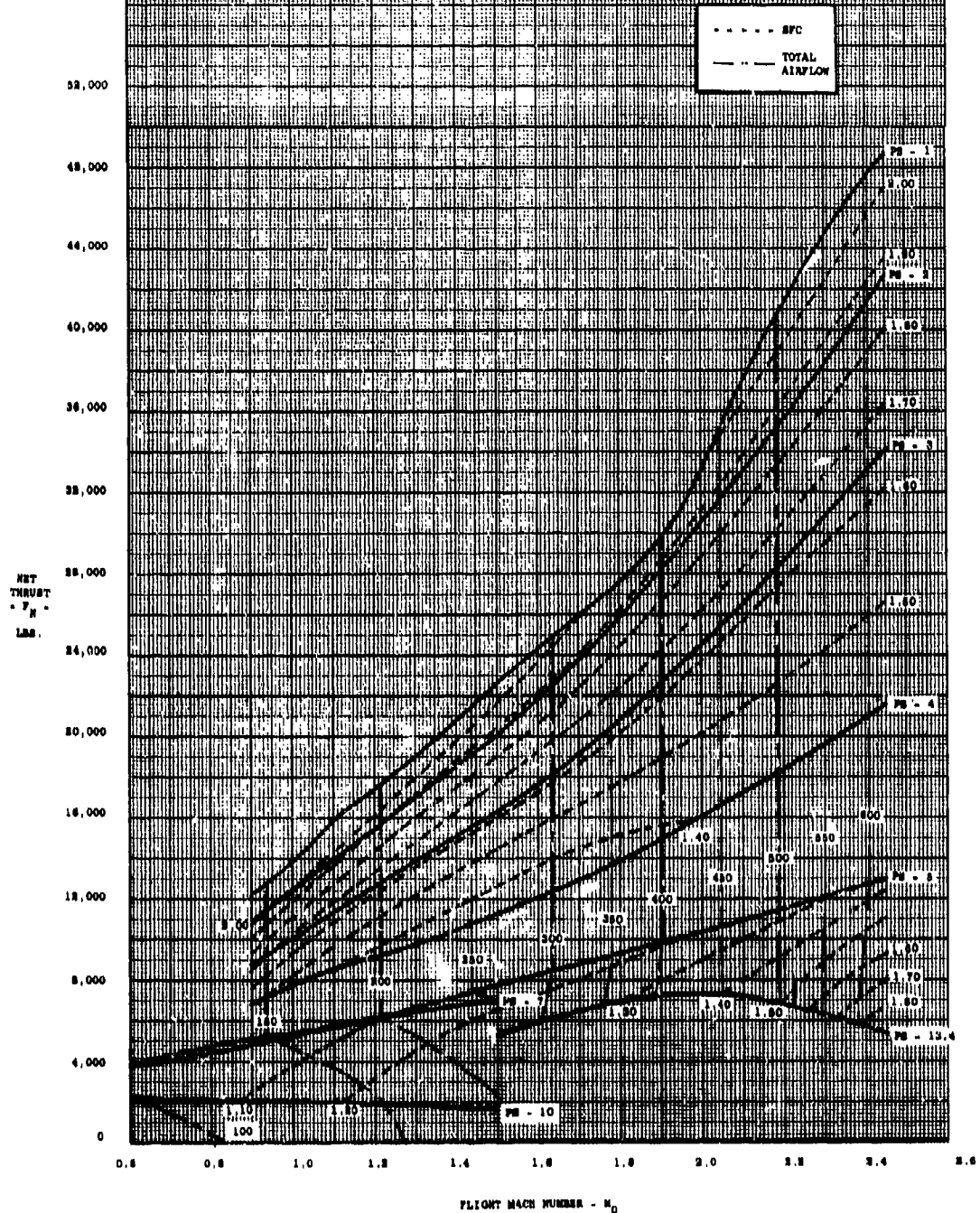
FLIGHT DATA NUMBER - 10
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45000
FEET

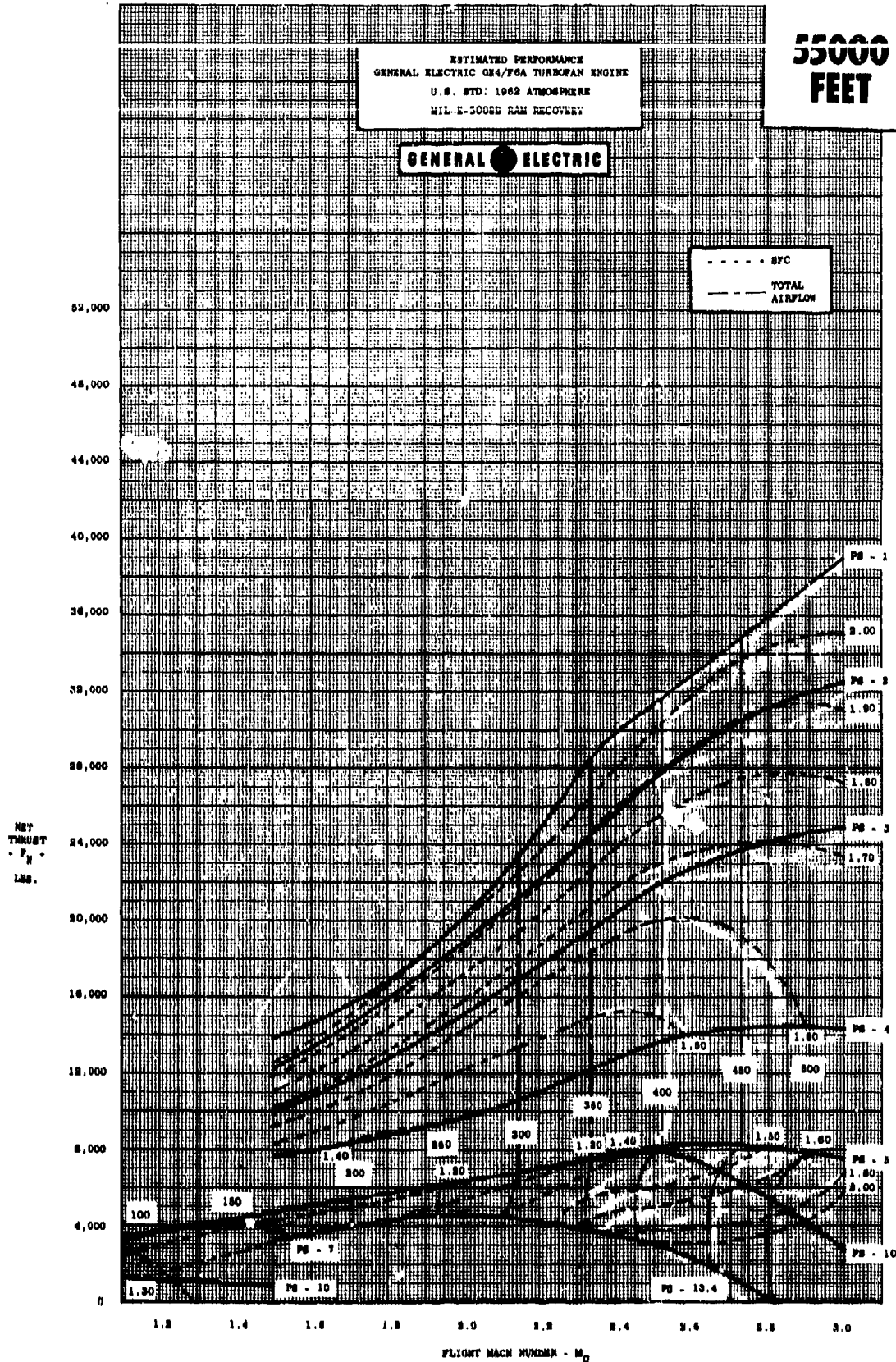
ESTIMATED PERFORMANCE
GENERAL ELECTRIC GM475A TURBOFAN ENGINE
U.S. STD. 1952 ATMOSPHERE
MIL-E-50088 RAM RECOVERY

GENERAL ELECTRIC



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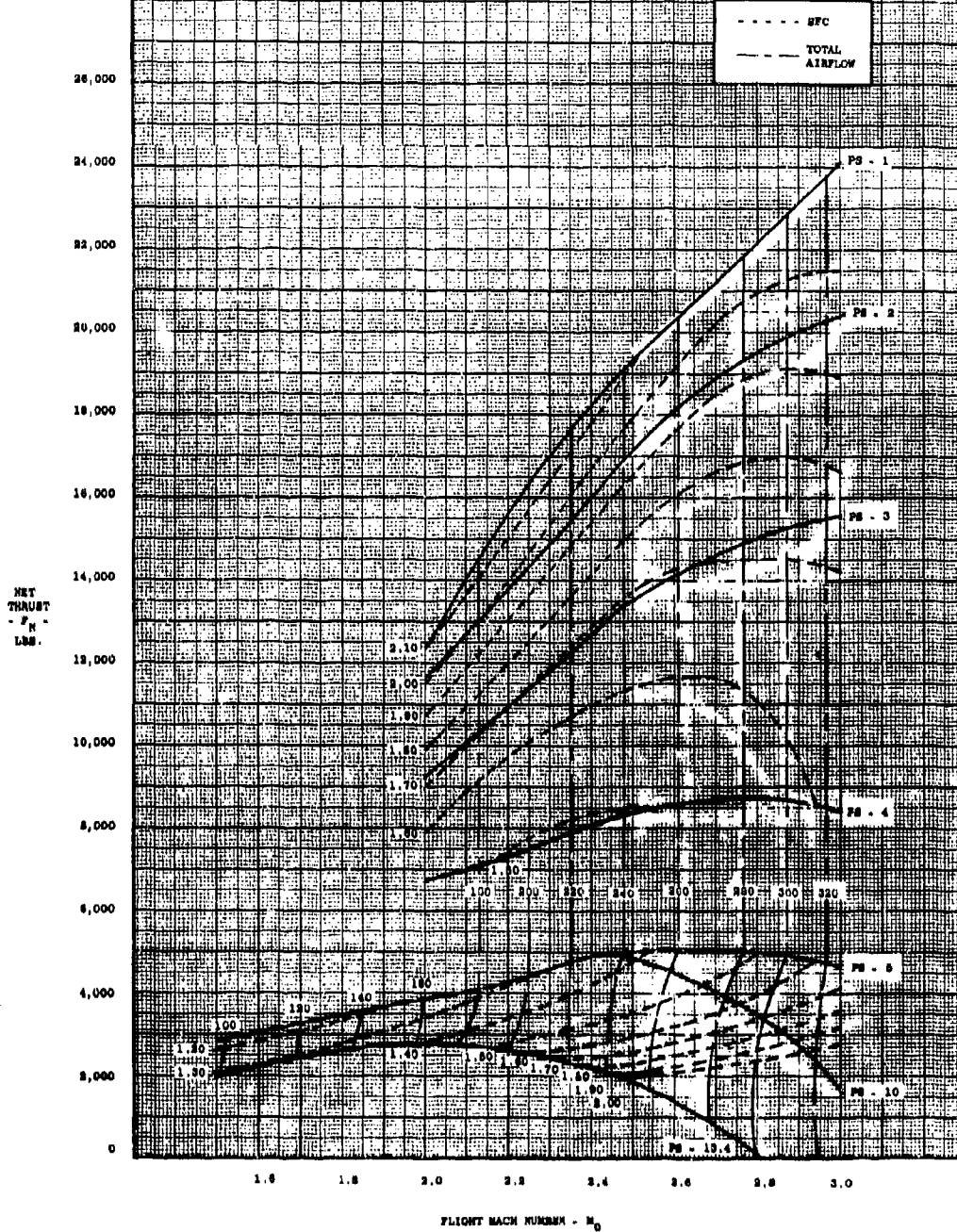
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65000
FEET

ESTIMATED PERFORMANCE
GENERAL ELECTRIC CENTRA TURBOJET ENGINE
U.S. STD. 1932 ATMOSPHERE
MIL-E-5008B RAM RECOVERY

GENERAL ELECTRIC



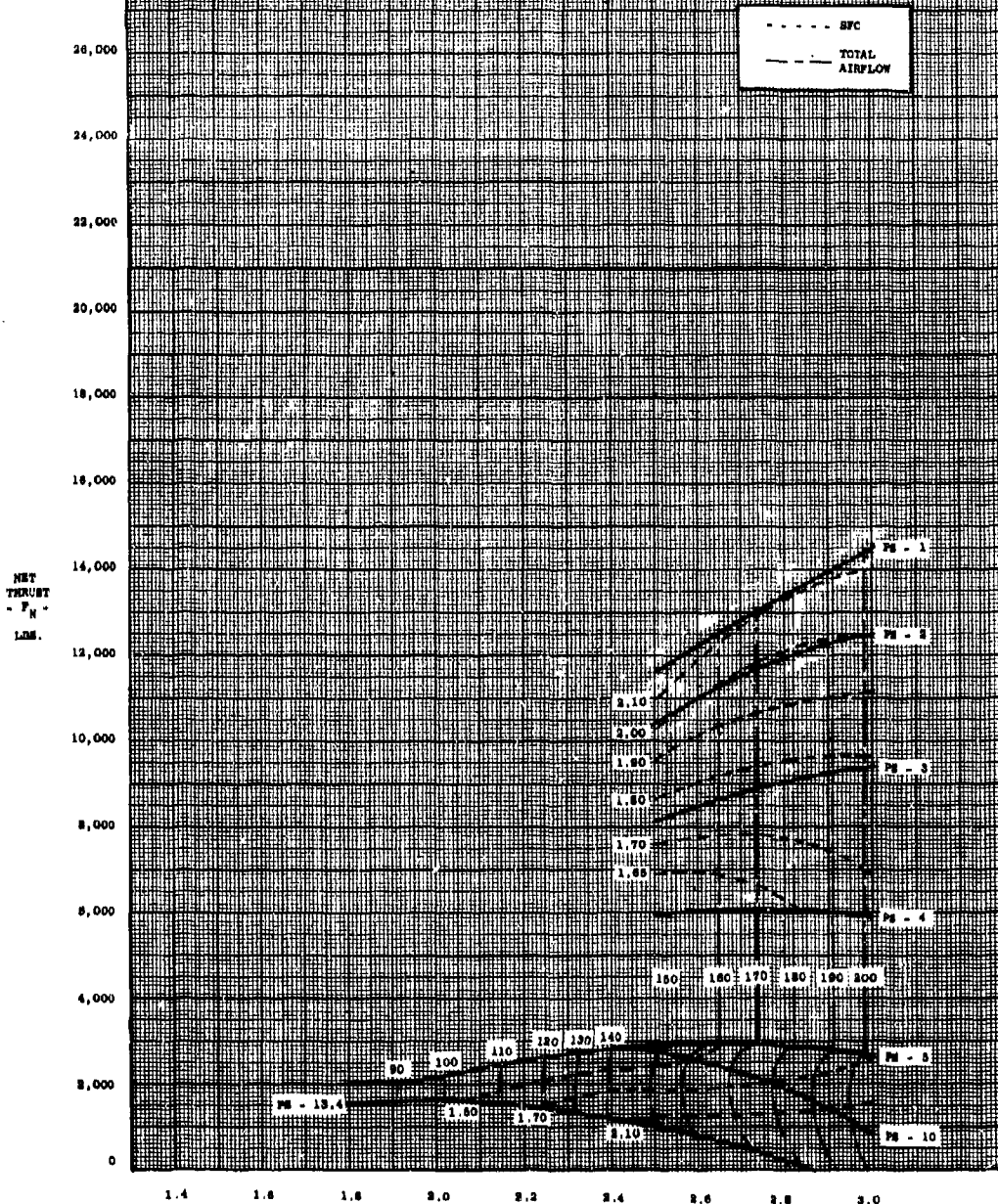
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75000
FEET

ESTIMATED PERFORMANCE
GENERAL ELECTRIC GE4/FOA TURBOFAN ENGINE
U.S. STD. 1962 ATMOSPHERE
MIL-E-5008B RAM RECOVERY

GENERAL ELECTRIC



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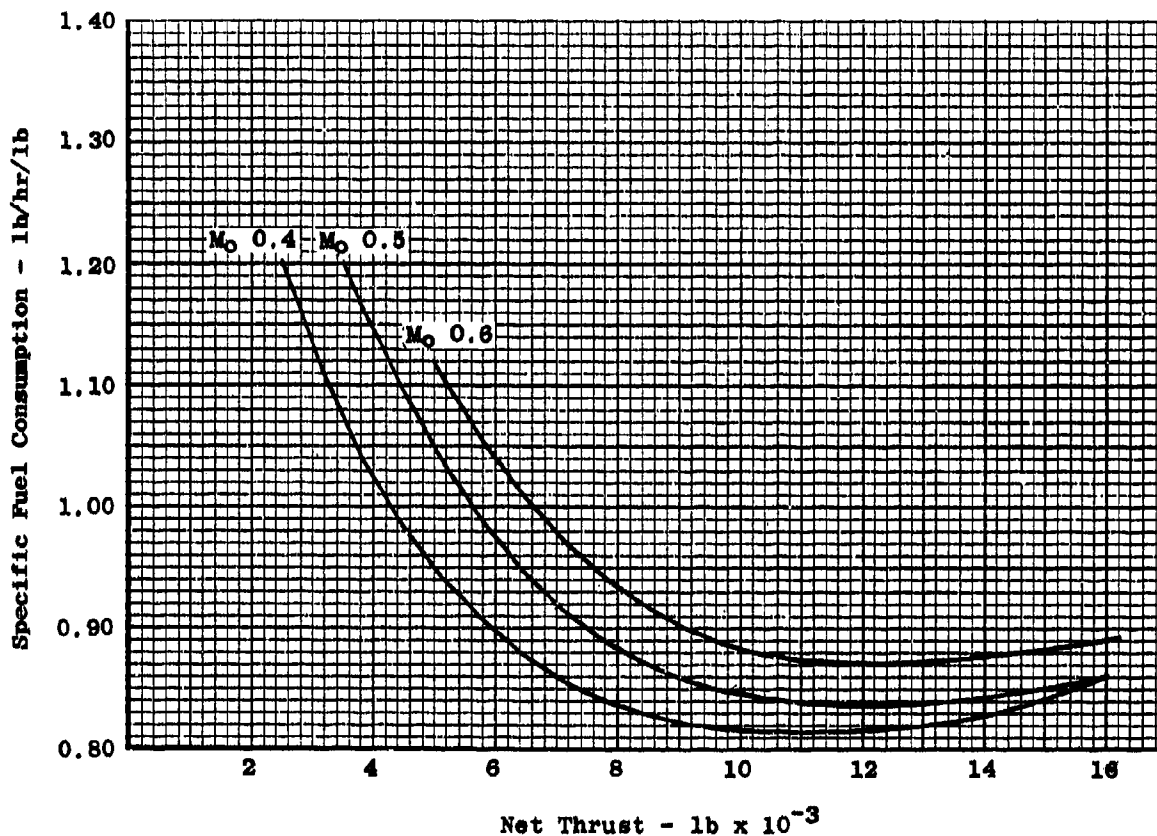
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2.2 PERFORMANCE CURVES

ESTIMATED PERFORMANCE U.S. STD. ATMOSPHERE
MIL-E-5008B RAM RECOVERY NON-AUGMENTED
C/D NOZZLE WITH IDEAL SECONDARY
ALTITUDE - 15000 FEET

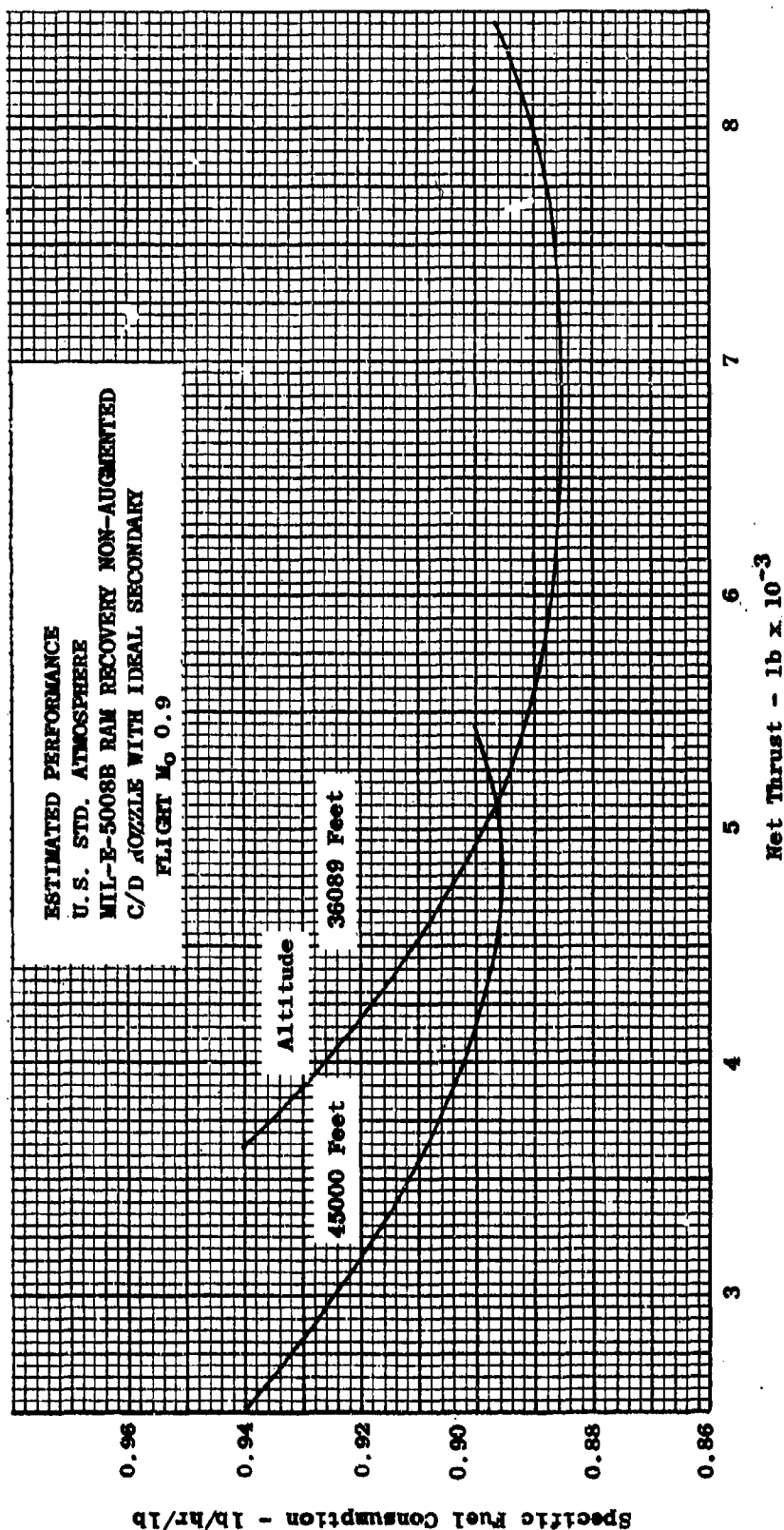


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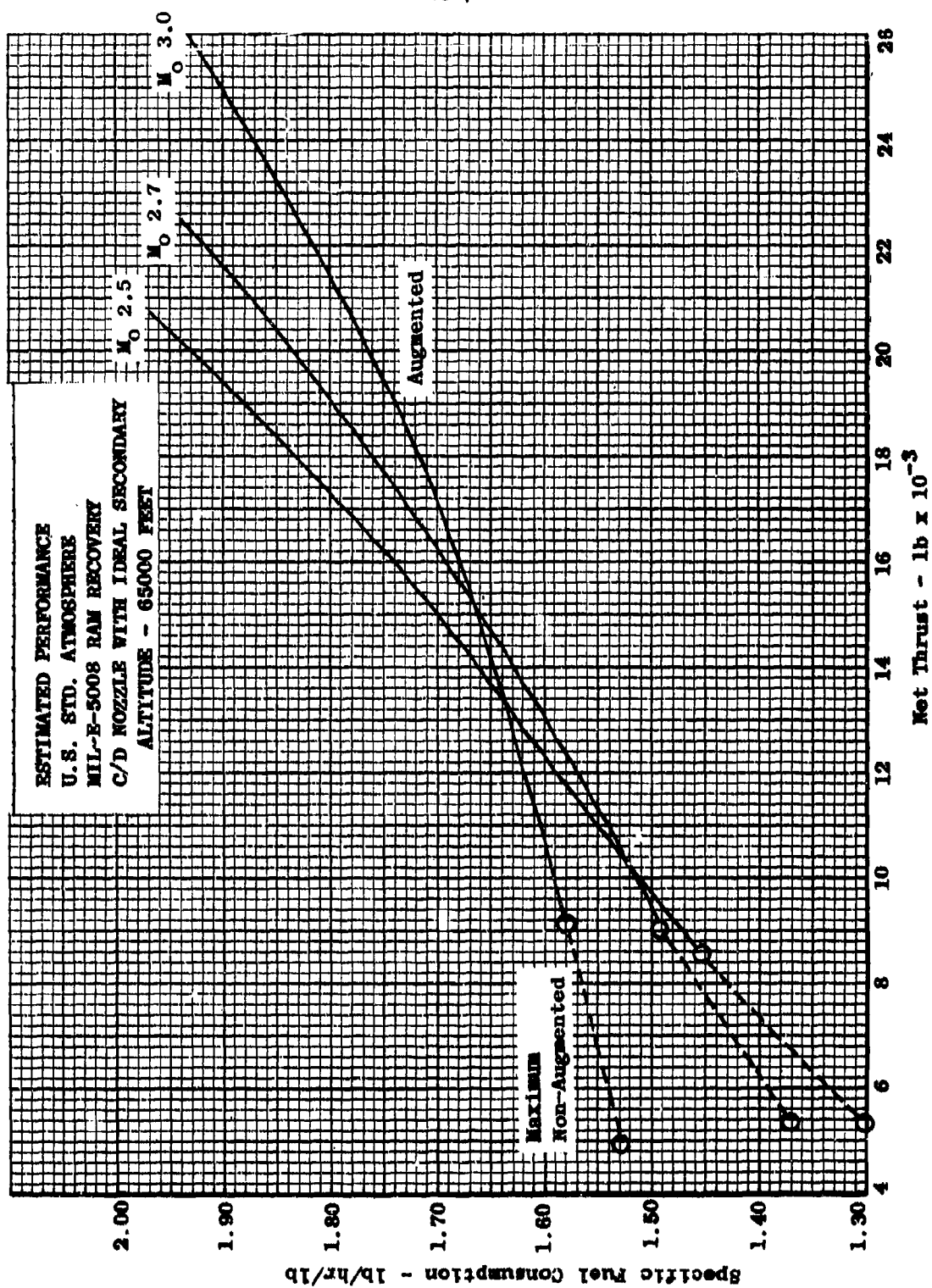


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2-11

GE4/F6A

2.3 FLIGHT WINDMILLING OPERATION

2.3.1 Performance

Flight windmilling performance data are presented herein Pages 2-13 through 2-15. This data is for zero bleed and power extraction.

Windmilling performance characteristics of the engine can be varied within limits by modulation of the jet nozzle area. The jet nozzle can be positioned by the throttle.

Windmilling during supersonic flight is restricted to five minutes after the fuel supply has been shut off.

Maximum available power extraction during windmilling at subsonic flight speeds:

| P_2/P_0 | HP/ \dot{m}_2 | % $N/\sqrt{\theta_2}$ |
|-----------|-----------------|-----------------------|
| 1.20 | 35 | 10 - 15 |
| 1.30 | 100 | 10 - 15 |
| 1.45 | 200 | 10 - 15 |

2.3.2 STATOR CLOSURE MECHANISM

The engine can be provided with means for retarding windmilling RPM (windmill brake) sufficiently to allow extended windmilling operation of the engine.

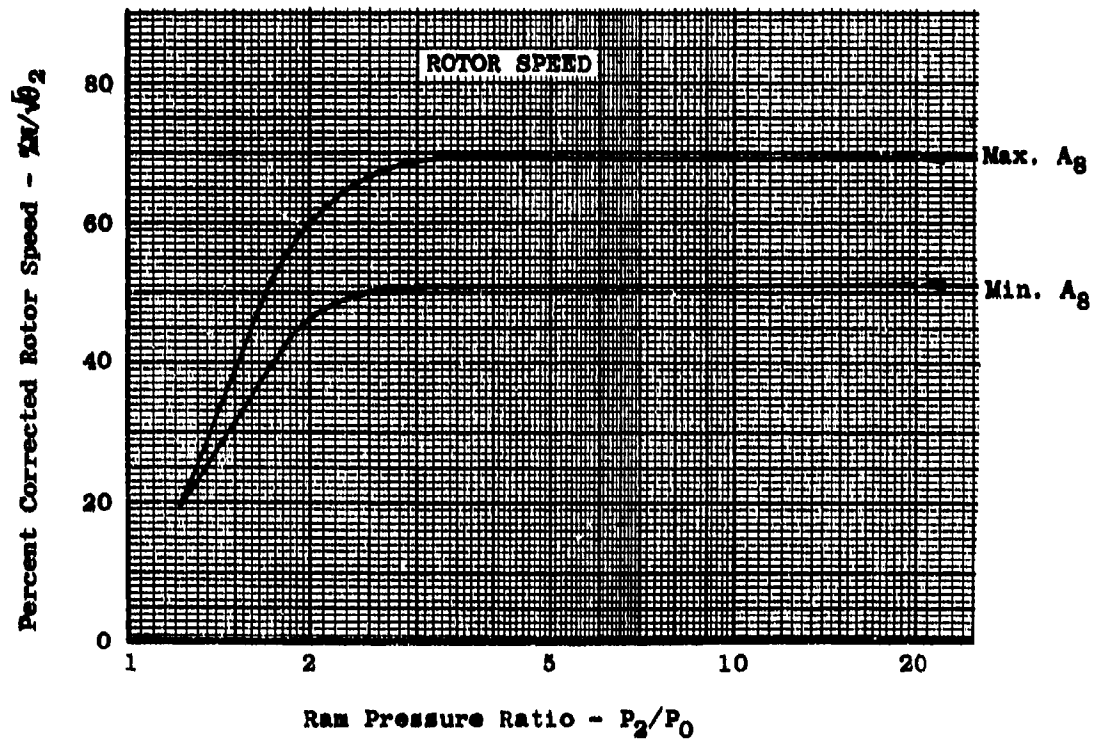
With the windmill brake actuated maximum corrected airflow shall be less than five percent of the sea level static design corrected airflow (550 lb/sec).

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PRELIMINARY WINDMILLING PERFORMANCE



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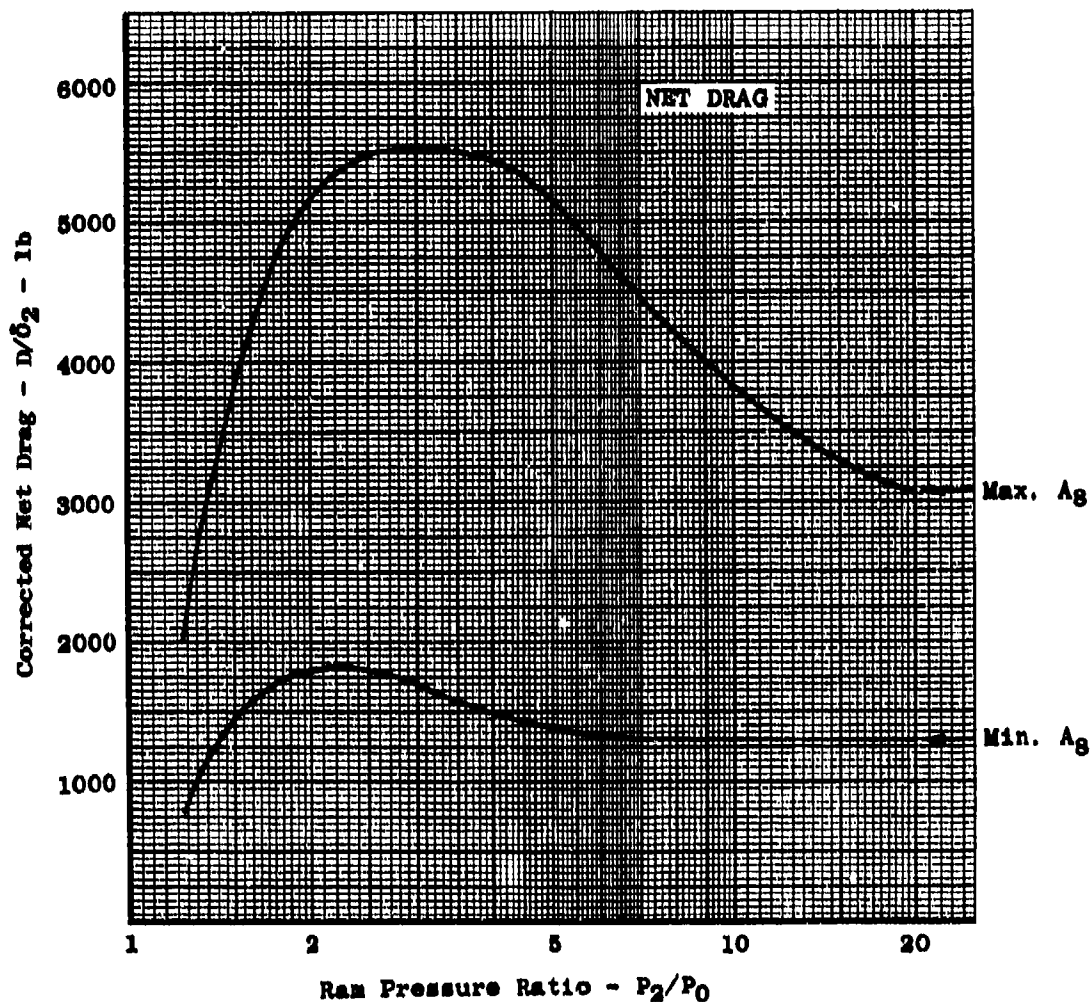
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2-13

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PRELIMINARY WINDMILLING PERFORMANCE



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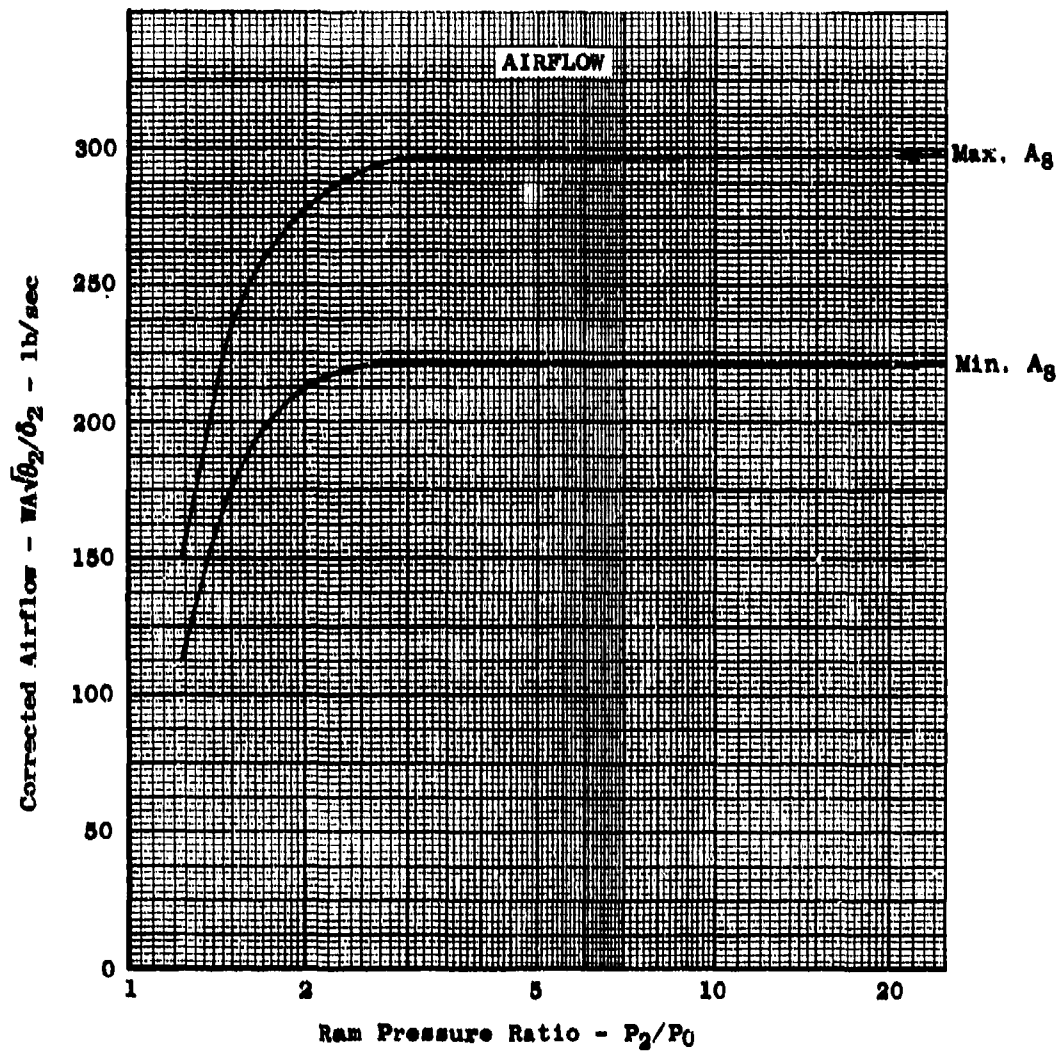
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PRELIMINARY WINDMILLING PERFORMANCE



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3. NOMENCLATURE

3.1 DEFINITION OF TERMS

Engine Station Locations

| | |
|---|-------------------------------|
| 0 | Free stream or ambient |
| 2 | Compressor inlet |
| 8 | Primary exhaust nozzle throat |
| 9 | Exhaust nozzle exit |

Cycle Parameters

Units

| | | |
|-----------|--|------------|
| A_8 | Primary exhaust nozzle throat area | Sq. In. |
| A_9 | Secondary exhaust nozzle exit area | Sq. In. |
| BTANG | Secondary exhaust nozzle boattail angle | Degrees |
| CFG | Exhaust nozzle thrust coefficient | |
| ERI | Error return indicator | |
| FG | Gross thrust (with exhaust nozzle) | Lbs. |
| FGB | Base gross thrust (CFG = .985) | |
| FD | Ram drag of compressor inlet airflow (W_2) | Lbs. |
| F_N | Net thrust (with exhaust nozzle) | Lbs. |
| F_{NB} | Base net thrust (CFB = .985) | Lbs. |
| M_0 | Flight Mach number | |
| NR | Ram recovery | |
| P_0 | Ambient pressure | Psia |
| P_2 | Compressor inlet total pressure | Psia |
| P_E | Bleed port static pressure | Psia |
| PTB | Customer bleed port pressure | Psia |
| P_2/P_0 | Ram total pressure ratio | |
| P_8/P_0 | Primary exhaust nozzle pressure ratio | |
| P.S. | Power setting | |
| SFC | Specific fuel consumption (with exhaust nozzle) | Lbs/Hr/Lb. |
| SFCB | Base specific fuel consumption (CFG = .985) | Lbs/Hr/Lb. |
| T_0 | Ambient temperature | °R |
| T_2 | Compressor inlet total temperature | °R |
| T_8 | Exhaust nozzle total temperature | °R |
| TC | Control temperature | °R |
| T_E | Bleed air total temperature | °R |
| TS | Secondary nozzle total temperature | °R |

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Cycle Parameters

Units

| | | |
|---------------------------|------------------------------------|----------|
| W_2 | Compressor inlet airflow | Lbs/Sec. |
| W_{2K} | Corrected compressor inlet airflow | Lbs/Sec. |
| W_8 | Exhaust nozzle gas flow | Lbs/Sec. |
| W_{FT} | Total engine fuel flow | Lbs/Hr. |
| W_s | Secondary nozzle airflow | Lbs/Sec. |
| $W_s/W_2(\sqrt{T_8/T_2})$ | Corrected secondary nozzle airflow | Lbs/Sec. |

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GE4/F6A

3.2 PERFORMANCE RATINGS

The performance ratings shall be as specified below:

Power Setting Number

Rating

1

Take Off and Maximum Climb

2.5

Maximum Continuous

(To be defined)

Power setting definitions are given on page 1-2.

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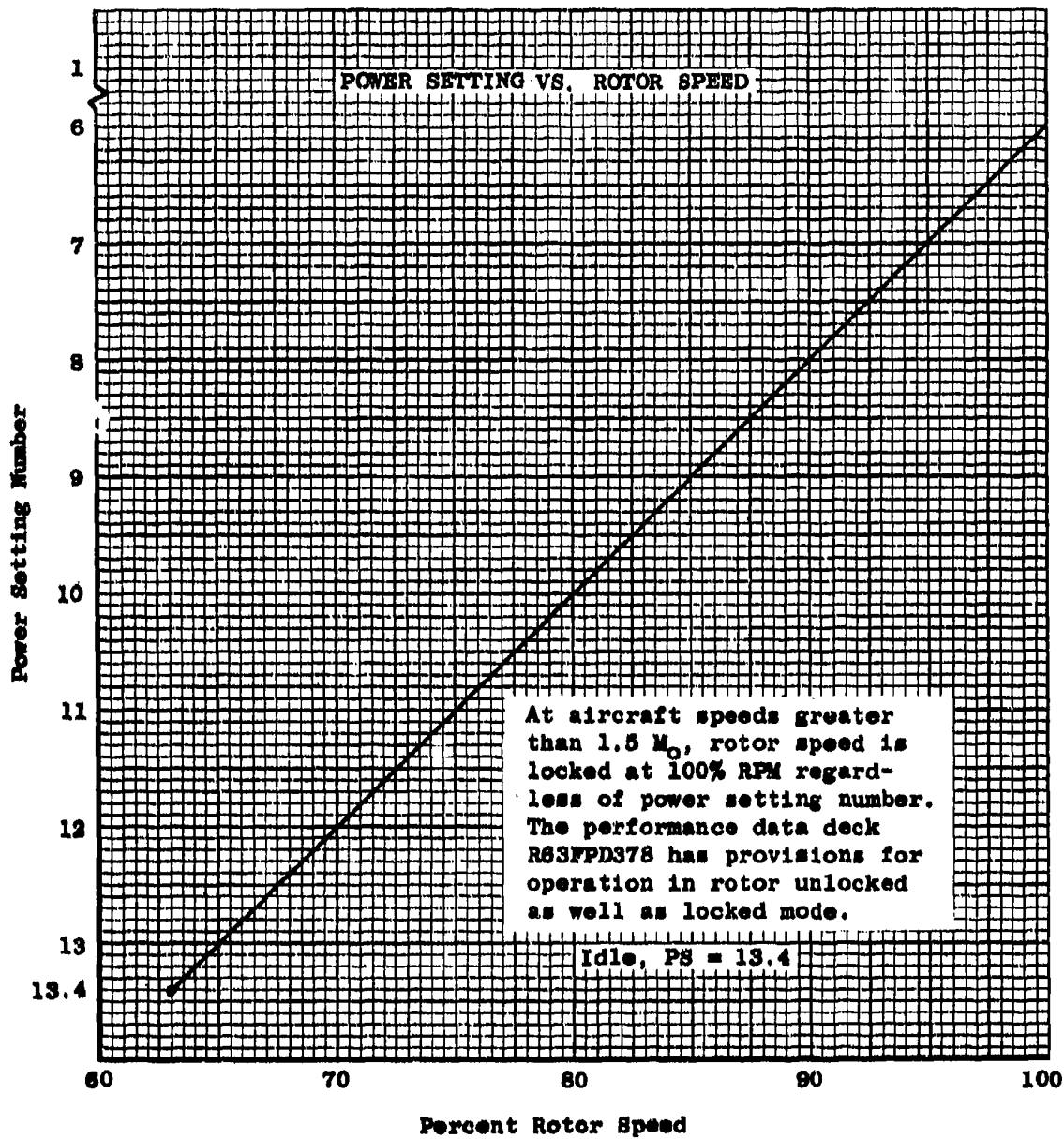
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GE4/F6A

3.3 POWER SETTING



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GE4/F6A

4. CALCULATION PROCEDURE

Calculation instructions are presented in a series of sample calculations which have been prepared to demonstrate the suggested methods for determining engine flight performance between the tabulated flight conditions and for conditions of ram recovery, bleed-air and power extraction other than that contained in the tabulation.

4.1 Sample Calculation

The sample calculations are divided into two parts, which represent different situations:

- I. **Desired:** Engine Performance
Known: Engine Power Setting and Airplane Operating Condition
 - A. General
 - B. Interpolating Mach Number
 - C. Interpolating Altitude
 - D. Interpolating Ambient Temperature
 - E. Interpolating Engine Power Setting
 - F. Interpolating for Combinations of Mach Number, Altitude and Power Setting
 - G. Correction for Ram Recovery
 - H. Correction for Bleed-air
 - I. Correction for Power Extraction
 - J. Correction for Combination of Ram Recovery, Bleed-air and Power Extraction
- II. **Desired:** Engine Power Setting
Known: Thrust Required and Engine Operating Condition
 - A. General

Engine performance may be read directly for many tabulated flight conditions. Linear interpolation may be used to obtain engine performance between tabulated flight conditions; however, cross plotting will yield a more precise interpolation.

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B. Interpolating Mach Number

If an intermediate Mach number is desired, use linear interpolation.

Example: Given: Power Setting (P. S. = 5.0)
Altitude 25000 feet
Type of day Standard
Mach Number 1.4
Ram Recovery MIL-E-5008B (.978)

From the Tabulated Performance:

| MO | FN | SFC | TE | PE | W2 |
|-----|-------|------|------|-------|-----|
| 1.2 | 14800 | 1.06 | 1146 | 127.1 | 464 |
| 1.5 | 15600 | 1.24 | 1233 | 166.3 | 616 |

Using Linear Interpolation, the performance is:

| MO | FN | SFC | TE | PE | W2 |
|-----|-------|------|------|-------|-----|
| 1.4 | 15300 | 1.18 | 1204 | 153.2 | 566 |

NOTE: Linear interpolation for performance of power settings 7.0 through 12.4 below Mach number 1.5 should not use the performance tabulated at Mach number equal to 1.5. At this flight speed and above, the engine speed is constant therefore, introducing a discontinuity in performance across that Mach number.

C. Interpolating Altitude

If an intermediate altitude is desired, use linear interpolation as a function of ambient pressure, PO.

Example: Given: Power Setting (P. S. = 5.0)
Altitude 30000 feet
Type of Day Standard
Mach Number 1.2
Ram Recovery MIL-E-5008B (.991)

From the Tabulated Performance:

| ALT | FN | SFC | TE | PE | W2 |
|-------|-------|------|------|-------|-----|
| 25000 | 14800 | 1.06 | 1146 | 127.1 | 464 |
| 36089 | 9380 | 1.14 | 1083 | 83.6 | 362 |

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GE4/F6A

From the table of atmospheric conditions for the altitudes involved.

| Altitude | Po |
|----------|------|
| 25000 | 5.45 |
| 30000 | 4.37 |
| 36089 | 3.28 |

Interpolating linearly as a function of Po, the performance is:

| ALT | FN | SFC | TE | PE | W2 |
|-------|-------|------|------|-------|-----|
| 30000 | 12100 | 1.11 | 1114 | 105.4 | 383 |

D. Interpolating Ambient Temperature

Example: Given: Power Setting (P. S. = 5.0)
Altitude 15000 feet
To 475°R
Mach Number 0.9
Ram Recovery MIL-E-5008B (1.00)

From the tabulated performance:

| To | FN | SFC | TE | PE | W2 |
|-----|-------|------|------|-------|-----|
| 505 | 13500 | 1.14 | 1188 | 127.8 | 470 |
| 465 | 16400 | 1.00 | 1129 | 139.1 | 507 |

Using linear interpolation, the performance is:

| To | FN | SFC | TE | PE | W2 |
|-----|-------|------|------|-------|-----|
| 475 | 15700 | 1.04 | 1144 | 136.3 | 498 |

Note: Linear interpolation can only be utilized providing that neither of the tabulated points is at the compressor corrected speed limit

$$(\% \text{ RPM} \times \sqrt{\frac{519}{T_2}} \approx 103)$$

E. Interpolating Engine Power Setting

If an intermediate engine power setting is desired, crossplot to determine the required performance.

Example: Given: Power Setting 90% RPM (P. S. = 8.0)
Altitude 25000 feet
Type of Day Standard
Mach Number 0.9
Ram Recovery MIL-E-5008B (1.00)

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GE4/F6A

From the tabulated performance:

| P. S. | %RPM | FN | SFC | TE | PE | W2 |
|-------|------|-------|-------|------|------|-----|
| 7.0 | 95 | 10800 | 1.01 | 1044 | 90.8 | 341 |
| 9.0 | 85 | 6110 | 1.14 | 958 | 68.6 | 295 |
| 11.0 | 75 | -560 | -3.47 | 827 | 38.8 | 236 |

Plotting all parameters versus %RPM, the performance is:

| P. S. | %RPM | FN | SFC | TE | PE | W2 |
|-------|------|------|------|------|------|-----|
| 8.0 | 90 | 8840 | 1.06 | 1005 | 80.3 | 318 |

Performance may be obtained by linear interpolation versus %RPM if less accurate data are adequate.

F. Interpolating for Combination of Mach Number, Altitude, Engine Power Setting and Ambient Temperature.

If the desired engine operating conditions are such that all of the above interpolations are required, it is possible to accomplish these interpolations in any order. This procedure is easiest and quickest if the large number of the required interpolations be done linearly. Therefore, it is recommended that the interpolations be accomplished in the following order:

- 1) Intermediate Mach Number - Linear
- 2) Intermediate Altitude - Linear Function of Po
- 3) Intermediate Ambient Temperature - Linear Function of To
- 4) Intermediate Power Setting - Crossplot

G. Correction for Ram Recovery

If ram recovery is other than MIL-E-5008B, read P2 and T2 for the tabulated condition:

$$P2 = (\text{Tabulated } P2) \times \frac{\text{Ram Recovery}}{\text{Ram Recovery MIL-E-5008B}}$$

Verify that this point falls within the engine operating limits as described by the P2-T2 envelope. To determine the percentage change in each parameter, multiply its correction factor (Line "RAM" of the tabulation) by the difference in ram recovery (desired ram recovery minus MIL 5008B ram recovery).

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Example: Given: Power Setting (P. S. = 5.0)
Altitude 25000 feet
Type of Day Standard
Mach Number 1.5
Ram Recovery 0.951

From the tabulated performance:

| NR | P2 | T2 | FN | SFC | TE | PE | W2 |
|------|-------|-----|-------|-------|------|-------|------|
| .971 | 19.44 | 623 | 15600 | 1.24 | 1233 | 166.3 | 616 |
| | | RAM | 2.08 | -1.17 | .00 | 1.03 | 1.03 |

$$P2 = (19.44) (.951 / .971) = 19.05 \text{ PSIA}$$

The point falls within the P2-T2 engine operating limit envelope.

The difference in ram recovery is:

$$\Delta NR = NR - NR_{\text{MIL-E-5008B}} = 0.951 - 0.971 = -0.02$$

The percentage change in net thrust is:

$$(2.08) (-0.02) = -0.0416 \text{ or } -4.16\%$$

The percentage change in each parameter is:

| | FN | SFC | TE | PE | W2 |
|----------|-------|------|----|-------|-------|
| % Change | -4.16 | 2.34 | 0 | -2.06 | -2.06 |

Net thrust corrected for ram recovery is:

$$FN = 15600 (0.9584) = 15000 \text{ lbs.}$$

All parameters corrected for ram recovery:

| FN | SFC | TE | PE | W2 |
|-------|------|------|-------|-----|
| 15000 | 1.27 | 1233 | 163.4 | 604 |

If a number of interpolations are to be made to obtain engine performance and ram recovery is to be different than MIL-E-5008B, the ram recovery correction should be applied before interpolating. If this is not done, the ram recovery correction factors for the required flight conditions will also have to be determined by interpolation.

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H. Correction for Bleed

The maximum bleed rate of 3% engine airflow must not be exceeded.

To determine the percentage change in each parameter, multiply its correction factor (line "BLEED" of this tabulation) by WB/W2.

Example:

| | | |
|--------|---------------|--------------------|
| Given: | Power Setting | (P.S. = 5.0) |
| | Altitude | 25,000 feet |
| | Type of Day | Standard |
| | Mach Number | MIL-E-5008B (.991) |
| | WB/W2 | 0.02 |

From the tabulated performance:

| | | | | | | | |
|------|-------|-------|-------|------|-------|-------|------|
| NR | P2 | T2 | FN | SFC | TE | PE | W2 |
| .991 | 13.12 | 554 | 14800 | 1.06 | 1146 | 127.1 | 464 |
| | | BLEED | -4.58 | 3.64 | -0.53 | -1.86 | 0.07 |

The percentage change in net thrust is:

$$(-4.58) (0.02) = -0.916 \text{ or } -9.16\%$$

The percentage change in each parameter is:

| | | | | | |
|----------|-------|------|-------|-------|------|
| | FN | SFC | TE | PE | W2 |
| % Change | -9.16 | 7.28 | -1.06 | -3.72 | 0.14 |

Net thrust corrected for bleed is:

$$FN = 14800 (.9084) = 13400 \text{ lbs.}$$

All parameters corrected for bleed are:

| | | | | |
|-------|------|------|-------|-----|
| FN | SFC | TE | PE | W2 |
| 13400 | 1.14 | 1134 | 122.7 | 465 |

$$\text{Calculate } WB = (WB/W2) (W2) = (0.02) (465) = 9.3 \text{ lbs/sec.}$$

Calculate $WB/\sqrt{TE/PE}$ using parameters corrected for bleed.

$$WB/\sqrt{TE/PE} = 9.3/\sqrt{1134/122.7} = 2.56$$

From the bleed port pressure ratio curve, read $PTB/PE = 0.93$ for 4 bleed ports or 0.70 for 2 bleed ports.

$$PTB_{2 \text{ ports}} = (PTB/PE) (PE) = 0.70 (122.7) = 86.7 \text{ lbs/sec.}$$

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$$PTB_4 \text{ ports} = (PTB/PE) (PE) = 0.93 (122.7) = 113.9 \text{ lbs/sec.}$$

If a number of interpolations are to be made to obtain engine performance and ram recovery is to be different than MIL-E-5008B, the ram recovery should be applied before interpolating. If this is not done, the ram recovery correction factors for the required flight conditions will also have to be determined by interpolation.

I. Correction for Power Extraction

The maximum horsepower extraction available is defined as 8.50 X % engine speed.

To determine the percentage change in each parameter, multiply its correction (line "POWER" of the tabulation) by $HP \times 10^{-5}$.

Example:

| | | |
|--------|---------------|--------------------|
| Given: | Power Setting | (P.S. = 5.0) |
| | Altitude | 25,000 feet |
| | Type of Day | Standard |
| | Mach Number | 1.2 |
| | Ram Recovery | MIL-E-5008B (.991) |
| | HP | 400 |
| | WB/W2 | 0 |

From the tabulated performance:

| | | | | | | | |
|------|-------|-------|-------|------|------|-------|-------|
| NR | P2 | T2 | FN | SFC | TE | PE | W2 |
| .991 | 13.12 | 554 | 14800 | 1.06 | 1146 | 127.1 | 464 |
| | | POWER | -1.56 | 2.20 | 0.03 | 0.14 | -0.01 |

The percentage change in net thrust is:

$$(-1.56) (400 \times 10^{-5}) = -.00624 \text{ or } -0.624\%$$

The percentage change in each parameter is:

| | | | | | |
|----------|--------|-------|-------|-------|--------|
| | FN | SFC | TE | PE | W2 |
| % Change | -0.624 | 0.880 | 0.012 | 0.056 | -0.004 |

Net thrust corrected for power extraction is:

$$FN = 14700 (.99376) = 14700 \text{ lbs.}$$

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All parameters corrected for power extraction:

| FN | SFC | TE | PE | W2 |
|-------|------|------|-------|-----|
| 14700 | 1.07 | 1146 | 127.1 | 464 |

If a number of interpolations are to be made to obtain engine performance, and ram recovery is to be different than MIL-E-5008B, the ram recovery correction should be applied before interpolating. If this is not done, the ram recovery correction factors for the required flight conditions will also have to be determined by interpolation.

J. Correction for Combination of Ram Recovery, Bleed and Power Extraction

If all the possible corrections are to be made to engine performance determined from the tabulation, the calculation may be simplified by:

1. Calculate $\Delta\eta\gamma$.
2. Verify that the specified bleed and/or power extraction does not exceed the limits of:

Maximum bleed: 3% of engine airflow, W2.
Maximum power extraction: 6.50 x % engine speed.

3. Read correction factors for all parameters.

| | FN | SFC | TE | PE | W2 |
|-------|----|-----|----|----|----|
| RAM | | | | | |
| BLEED | | | | | |
| POWER | | | | | |

4. Multiply RAM correction factors by $\Delta\eta\gamma$.
5. Multiply BLEED correction factors by WB/W2.
6. Multiply POWER correction factors by HP x 10⁻⁵.
7. For each parameter, algebraically add the correction factors together to determine the total percentage change due to ram recovery, bleed and power extraction.

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8. Correct each parameter:

$$FN_{(\text{corrected})} = FN (1 + \text{total } \% \text{ change}), \text{ etc.}$$

4.2 CALCULATION AIDS AND ENGINE LIMITS

In addition to the performance presentation of the GE4/F6A turbofan engine, certain calculation aids and engine limits are included to assist in the estimation of performance at flight conditions not tabulated.

4.2.1 Ram Recovery

The flight performance curves and tabulations in this report are represented for MIL-E-5008B ram recovery, $NR = 1.00 - .075 (Mo-1)^{1.35}$.

4.2.2 Engine Operating Envelope

The envelope of engine operating capability is presented in both standard day altitude - Mach number form and P2-T2 form including augmentor operating limits. For design limits, use the P2-T2 envelope. Data are contained on pages 5-1 and 5-2.

4.2.3 Rotor Speed Schedule

Scheduled maximum percent rotor speed versus compressor inlet total temperature is given on page 5-3.

4.2.4 Power Setting - Speed Schedule

A curve of percent rotor speed versus engine power setting is included in Section 3 for operation below the lockup Mach number ($Mo = 1.5$). Above the lockup Mach number, rotor speed is held constant at 100% for all power settings up to T2 of 955°R where a cutback in %N starts (at T2 = 1083°R, %RPM = 95%).

The Mach number at which rotor lockup occurs is a variable that can be changed at the customer's option. The capability of generating performance at various lockup Mach numbers (MONLU) is supplied in the estimated performance data deck with complete details of operation in the data deck instructions. The bulletin performance is produced with a lockup Mach number of 1.5.

During all operation, the self-cooling capability of the engine must be observed.

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4.2.5 Bleed Port Pressure

Pressure ratio (PTB/PE) across the air bleed port versus corrected bleed flow defined on page 4-13 for either 2 port or 4 port operation. Airframe service bleed is restricted to 3% of the engine airflow.

4.2.6 Primary Exhaust Nozzle Area Schedule

The primary exhaust nozzle throat area schedule versus engine power setting is provided for operation at power settings greater than 5 in Section 5.

Above a ram pressure ratio of approximately 1.9, the primary jet nozzle area has been manually limited to a maximum value of 1690 sq. inches. If lower idle thrust is required for a particular airframe, this value can be changed.

4.2.7 Exhaust Nozzle Secondary Flow

Corrected secondary nozzle airflow ($W_s/W_2\sqrt{T_s/T_8}$) versus nozzle pressure ratio (P_8/P_0) is defined on page 4-14 for both augmented and non-augmented operation. The ram drag of this secondary flow is included in the nozzle performance.

4.2.8 Exhaust Nozzle Boattail Angle

Bulletin performance is calculated utilizing a specific nozzle switch-over schedule and is denoted by BTANG being printed for each point. To allow for variations in the calculation of boattail drag, the customer may optimize the nozzle switchover for a particular airframe and flight placard by utilization of a special feature built into the estimated performance data deck. Complete instructions for the generation of performance at desired boattail angles is included in the instructions on the estimated performance data deck operation. A table of boattail angles vs A_9 areas is given below.

Exhaust Nozzle Area vs. Boattail Angle

| <u>Boattail Angle</u> | <u>A_9 Area in.²</u> |
|-----------------------|--|
| 15.1° | 1810 |
| 6.6° | 2960 |
| 3° | 3540 |
| 0° | 4070 |

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4.2.9 Exhaust Nozzle Data for Noise Calculations

To more accurately predict the perceived noise level of the engine, exhaust nozzle thermodynamic conditions are provided for the normal operating mode of the engine.

Tabulated exhaust nozzle data at several flight conditions are contained on pages 4-15 and 4-16. Secondary airflow pumping characteristics of the exhaust nozzle at low altitudes and flight speeds are contained on page 4-17.

4.2.10 Performance Scaling

Engine performance parameters (thrusts, flows, and areas) can be directly scaled as a function of airflow within the range of 400 to 650 lbs/sec.

4.2.11 Error Return Indicator (ERI) Definition

| <u>ERI No.</u> | <u>Definition of Limits for Tabulated Data</u> |
|----------------|--|
| 0 | No limit exceeded. |
| 101 | Rotor speed reduced to observe corrected speed limit, no limit exceeded. |
| 1 | Fuel flow reduced to observe nozzle area limit, no limit exceeded. |
| 19 | Augmentor pressure less than design operation limit. (Para. 4.2.2) |

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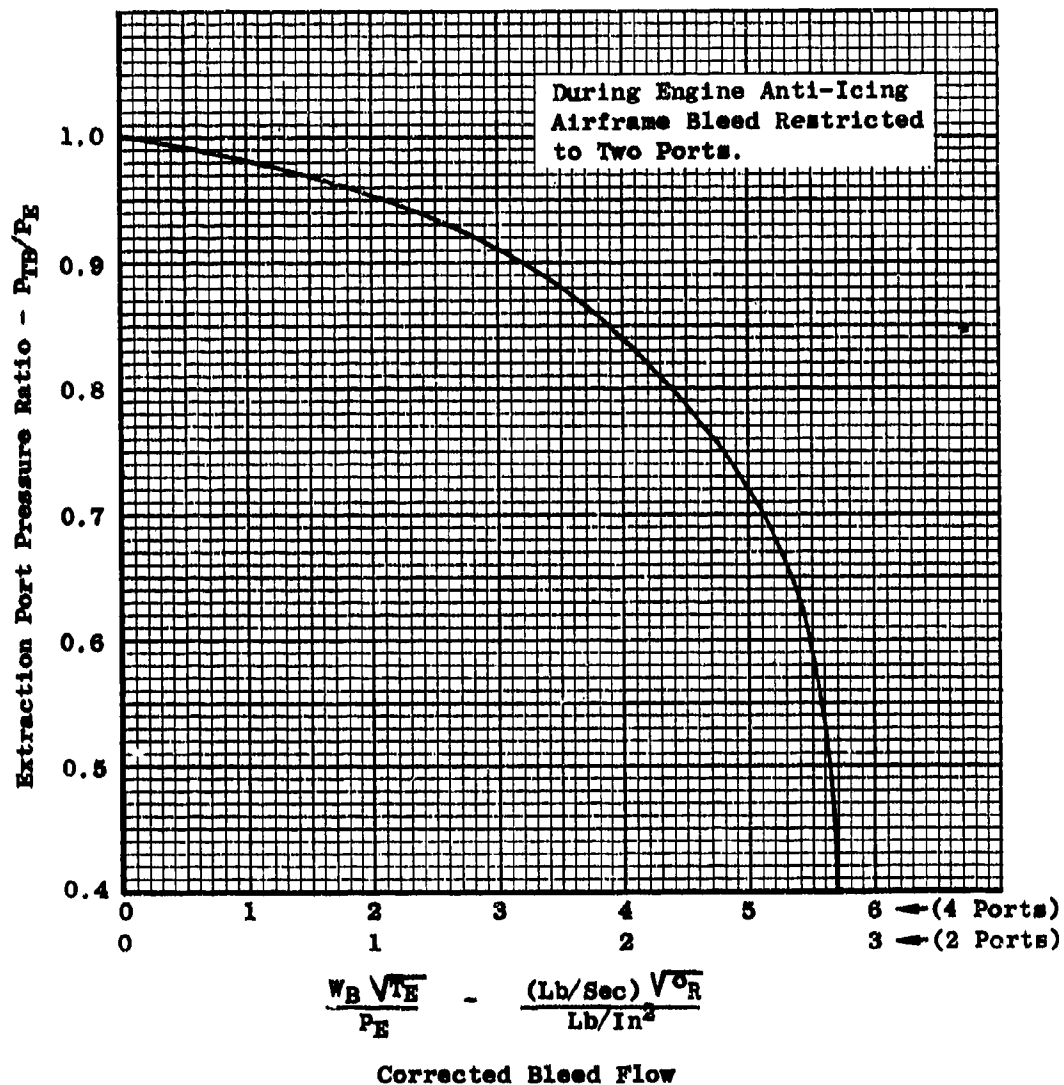
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BLEED PORT PRESSURE CORRECTION

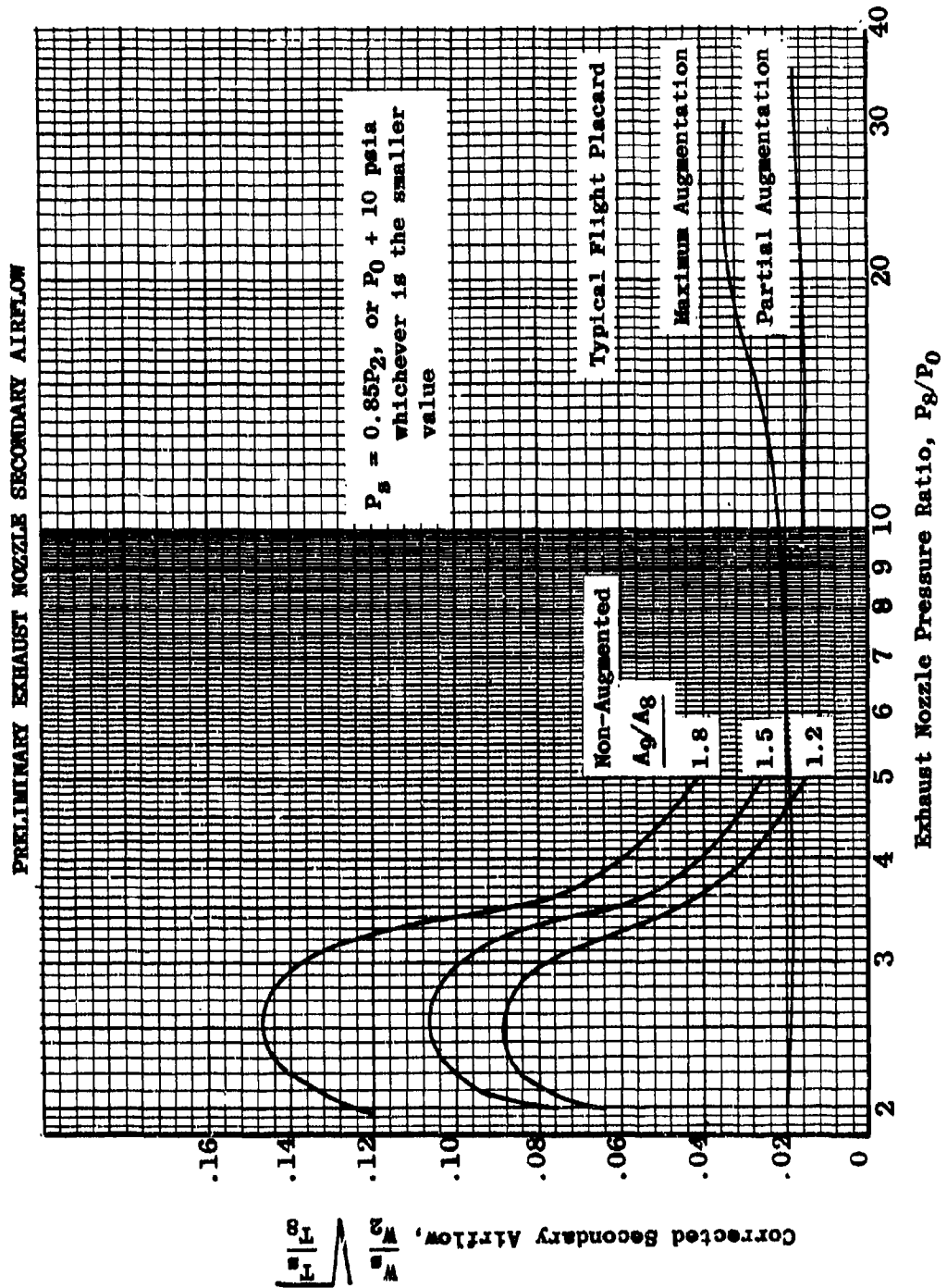


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**Jet Exhaust Conditions For Noise Calculations
Normal Operation**

U.S. Standard Atmosphere 1962 plus 44°F

| Alt. ft. | M ₀ | P.S. | η_R | F _N lbs | F _G lbs | W ₈ lbs/sec | A ₈ | P ₈ /P ₀ | T ₈ °R |
|-------------|----------------|------|----------|-----------------------|-----------------------|---------------------------|----------------|--------------------------------|----------------------|
| 0 | 0 | 1 | .92 | 31900 | 31900 | 492 | 2401 | 1.60 | 3155 |
| 0 | 0 | 2.5 | .92 | 29100 | 29100 | 486 | 2096 | 1.64 | 2588 |
| 0 | 0 | 4 | .92 | 23300 | 23300 | 478 | 1591 | 1.69 | 1632 |
| 0 | 0 | 5 | .92 | 20400 | 20400 | 475 | 1368 | 1.71 | 1240 |
| 0 | 0 | 7 | .92 | 17600 | 17600 | 444 | 1295 | 1.70 | 1234 |
| 0 | 0 | 9 | .92 | 9720 | 9720 | 333 | 1249 | 1.39 | 1093 |
| 0 | .2 | 1 | .95 | 31200 | 34800 | 519 | 2401 | 1.68 | 3203 |
| 0 | .2 | 2.5 | .95 | 27300 | 30900 | 513 | 2075 | 1.72 | 2587 |
| 0 | .2 | 4 | .95 | 20200 | 23800 | 504 | 1577 | 1.78 | 1634 |
| 0 | .2 | 5 | .95 | 17700 | 21300 | 501 | 1356 | 1.80 | 1241 |
| 0 | .2 | 7 | .95 | 16000 | 19400 | 468 | 1284 | 1.78 | 1234 |
| 0 | .2 | 9 | .95 | 8530 | 11100 | 362 | 1249 | 1.45 | 1077 |
| 1500 | .2 | 1 | .95 | 30300 | 33700 | 496 | 2402 | 1.70 | 3228 |
| 1500 | .2 | 2.5 | .95 | 26300 | 29800 | 490 | 2065 | 1.74 | 2588 |
| 1500 | .2 | 4 | .95 | 19600 | 23000 | 482 | 1569 | 1.80 | 1632 |
| 1500 | .2 | 5 | .95 | 17100 | 20600 | 479 | 1349 | 1.82 | 1240 |
| 1500 | .2 | 7 | .95 | 15600 | 18800 | 447 | 1275 | 1.81 | 1234 |
| 1500 | .2 | 9 | .95 | 8300 | 10800 | 349 | 1249 | 1.46 | 1072 |

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Jet Exhaust Conditions For Noise Calculations
Normal Operation
U. S. Standard Atmosphere 1982

| Alt. ft. | M ₀ | P. S. | η_R | F _N lbs | F _G lbs | W ₈ lbs/sec | A ₈ | P ₈ /P ₀ | T ₈ °R |
|-------------|----------------|-------|----------|-----------------------|-----------------------|---------------------------|----------------|--------------------------------|----------------------|
| 0 | 0 | 1 | .92 | 38900 | 38900 | 531 | 2354 | 1.78 | 3325 |
| 0 | 0 | 2.5 | .92 | 34300 | 34300 | 523 | 1985 | 1.82 | 2586 |
| 0 | 0 | 4 | .92 | 27200 | 27200 | 514 | 1510 | 1.88 | 1626 |
| 0 | 0 | 5 | .92 | 23700 | 23700 | 511 | 1296 | 1.90 | 1229 |
| 0 | 0 | 7 | .92 | 19900 | 19900 | 480 | 1249 | 1.86 | 1215 |
| 0 | 0 | 9 | .92 | 12500 | 12500 | 390 | 1249 | 1.51 | 1061 |
| 0 | .2 | 1 | .95 | 38000 | 41700 | 560 | 2349 | 1.87 | 3323 |
| 0 | .2 | 2.5 | .95 | 31800 | 35500 | 551 | 1981 | 1.92 | 2584 |
| 0 | .2 | 4 | .95 | 24300 | 28100 | 542 | 1505 | 1.97 | 1627 |
| 0 | .2 | 5 | .95 | 21200 | 24900 | 539 | 1291 | 2.00 | 1230 |
| 0 | .2 | 7 | .95 | 18400 | 21900 | 508 | 1249 | 1.94 | 1208 |
| 0 | .2 | 9 | .95 | 10800 | 13700 | 415 | 1249 | 1.57 | 1044 |
| 1500 | .2 | 1 | .95 | 36700 | 40200 | 535 | 2336 | 1.89 | 3325 |
| 1500 | .2 | 2.5 | .95 | 30700 | 34200 | 527 | 1970 | 1.94 | 2586 |
| 1500 | .2 | 4 | .95 | 23500 | 27000 | 518 | 1496 | 2.00 | 1626 |
| 1500 | .2 | 5 | .95 | 20400 | 23900 | 515 | 1284 | 2.02 | 1228 |
| 1500 | .2 | 7 | .95 | 17700 | 21000 | 486 | 1249 | 1.96 | 1200 |
| 1500 | .2 | 9 | .95 | 10600 | 13300 | 400 | 1249 | 1.58 | 1041 |

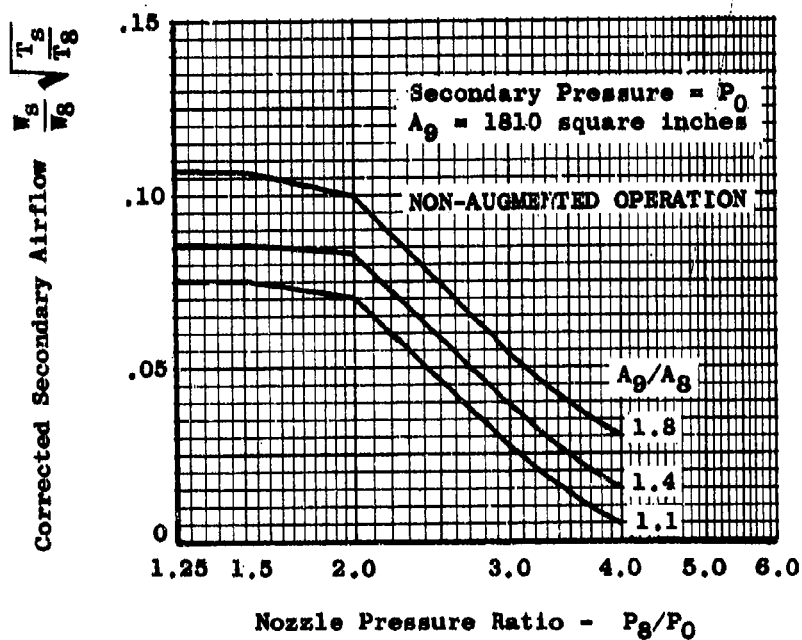
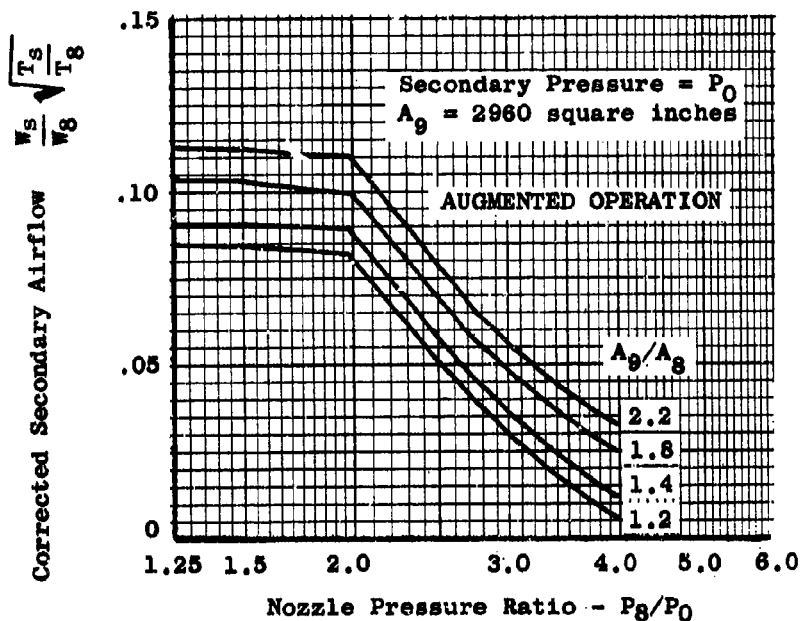
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EXHAUST NOZZLE PRELIMINARY AIR HANDLING DATA LOW ALTITUDE AND MACH NUMBER CONDITIONS



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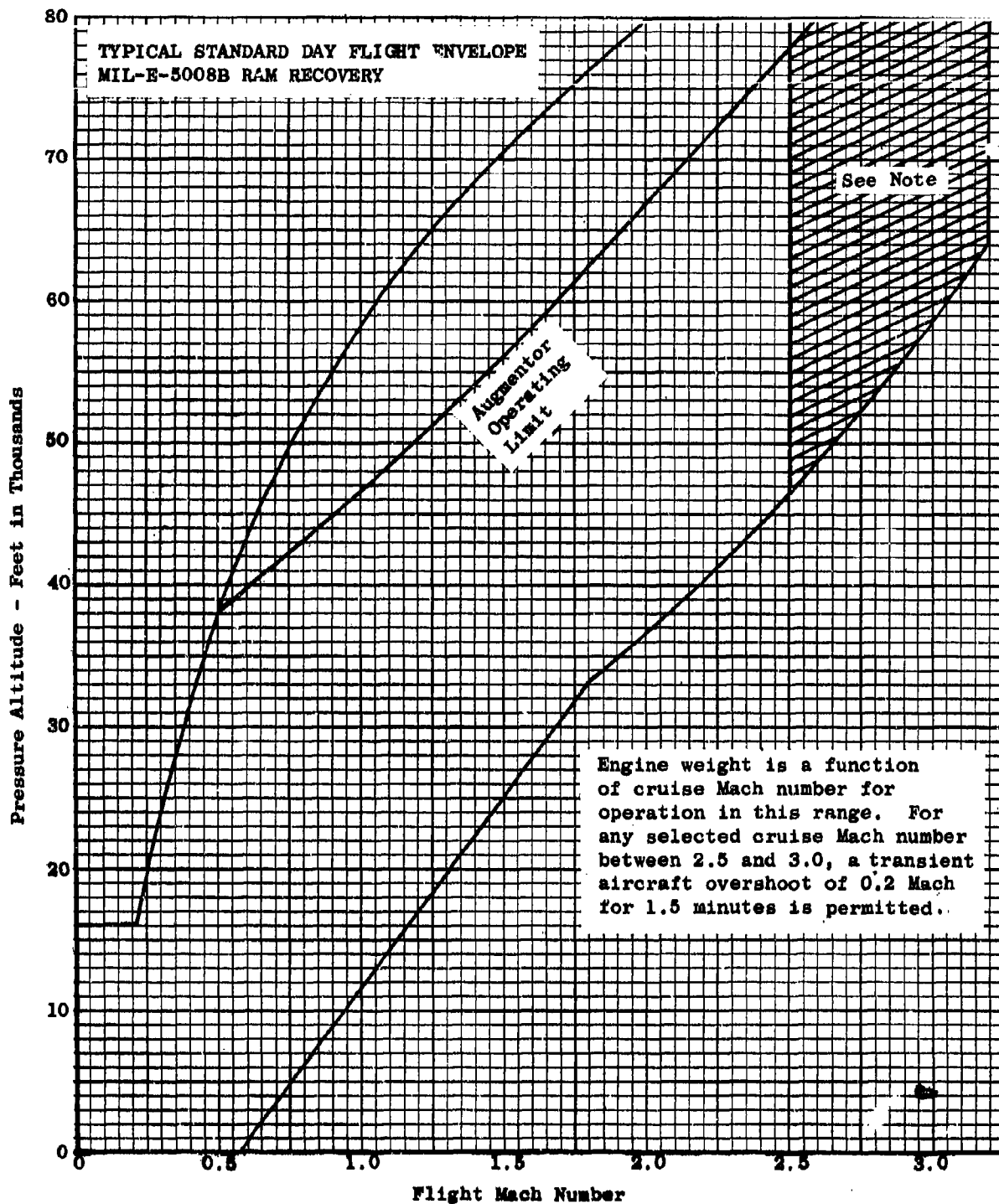
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5.1 ENGINE FLIGHT LIMITS



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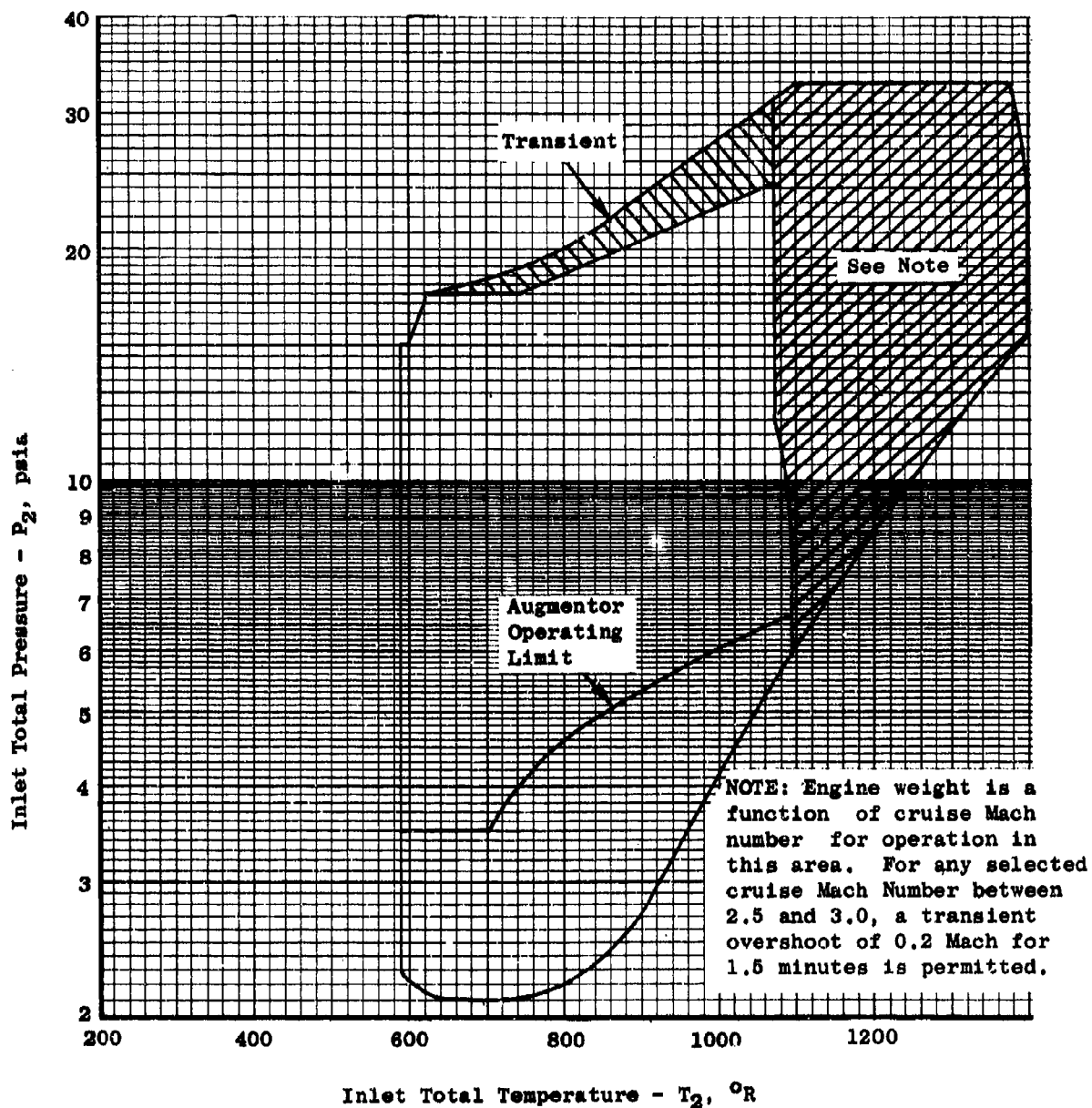
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5.1 ENGINE OPERATING LIMITS



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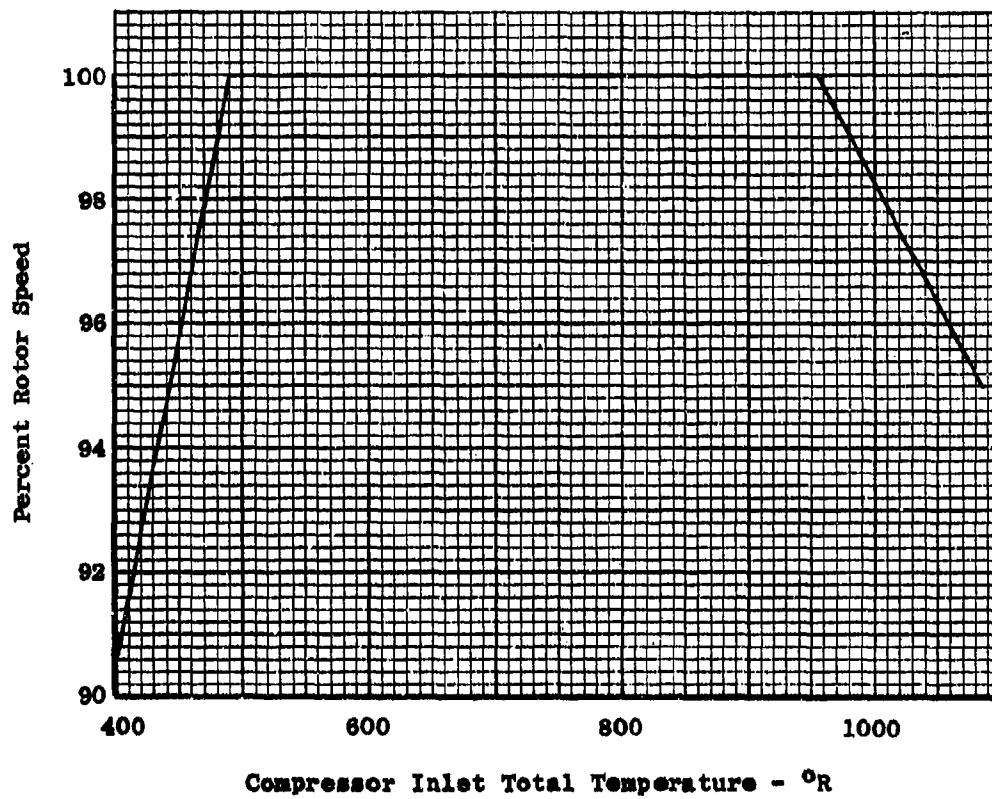
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5.2 MAXIMUM ROTOR SPEED



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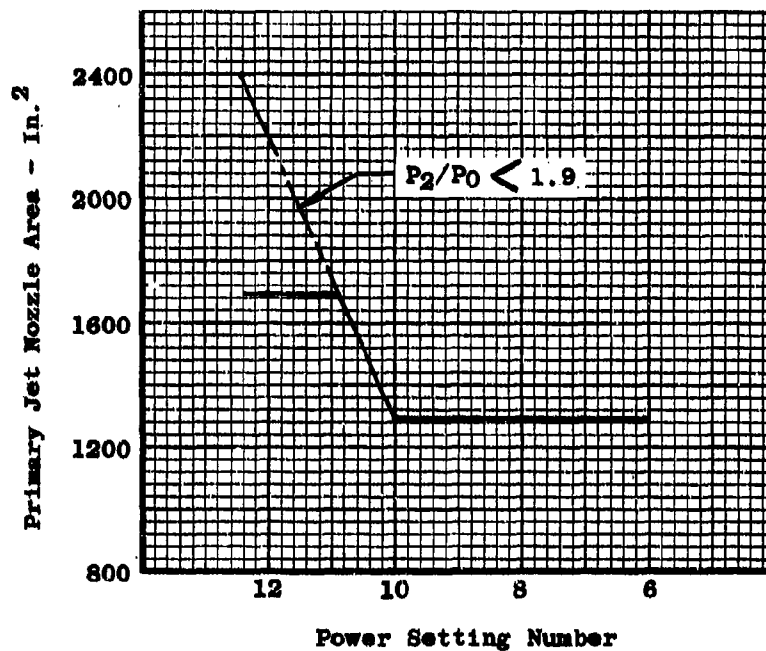
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5.3 PRIMARY JET NOZZLE AREA SCHEDULE NON-AUGMENTED OPERATION



6. SEA LEVEL

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CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| NO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|-------|-------|------------|-------|-------|------|-------|------|------|
| .00 | NR = | 1.00 | 0 | 45000 | 2.20 | 1101 | 151.8 | 550 | 1765 |
| | P2 = | 14.70 | RAM .00 | 1.72 | -.82 | .00 | 1.01 | 1.00 | .00 |
| | T2 = | 519 | BLEED .00 | -3.69 | 1.45 | -.62 | -1.96 | .14 | -.00 |
| | ERI = | 0 | POWER .00 | -1.64 | 1.88 | .04 | .14 | .14 | -.00 |
| .30 | NR = | 1.00 | 1.06 | 6010 | 2.50 | 1113 | 158.8 | 577 | 1765 |
| | P2 = | 15.64 | RAM 1.00 | 1.75 | -1.07 | -.00 | 1.00 | 1.00 | -.00 |
| | T2 = | 528 | BLEED .08 | -3.74 | 1.72 | -.59 | -1.93 | .08 | -.00 |
| | ERI = | 0 | POWER .06 | -1.23 | 1.35 | .04 | .13 | .06 | -.00 |
| .60 | NR = | 1.00 | 1.28 | 13800 | 2.37 | 1149 | 181.0 | 661 | 1765 |
| | P2 = | 18.75 | RAM 1.00 | 1.45 | -1.33 | -.00 | 1.00 | 1.00 | .00 |
| | T2 = | 556 | BLEED .07 | -3.09 | 2.98 | -.53 | -1.85 | .07 | .01 |
| | ERI = | 0 | POWER -.01 | -1.10 | 1.21 | .02 | .10 | -.01 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|--------|------|------|-------|-------|-------|------|-------|
| .00 | 1.00 | 1.93 | 99250 | 3323 | 2329 | 45500 | 45500 | 2.18 | 550 | 6.6 |
| | RAM | 1.01 | .97 | -.01 | -.14 | 1.72 | 1.72 | -.82 | .00 | .00 |
| | BLEED | -3.12 | -2.32 | -.96 | 2.05 | -3.69 | -3.69 | 1.45 | .14 | .00 |
| | POWER | -2.39 | .21 | -.09 | 2.72 | -1.64 | -1.64 | 1.88 | .14 | .00 |
| .30 | 1.06 | 2.01 | 102530 | 3304 | 2330 | 48800 | 42800 | 2.39 | 547 | 6.6 |
| | RAM | 1.02 | .78 | -.11 | -.20 | 1.61 | 1.70 | -1.00 | .00 | .00 |
| | BLEED | -3.10 | -2.11 | -.79 | 2.05 | -3.49 | -3.99 | 2.00 | .08 | .00 |
| | POWER | -2.21 | .10 | -.08 | 2.40 | -1.49 | -1.70 | 1.84 | .06 | .00 |
| .60 | 1.28 | 2.27 | 104818 | 3121 | 2283 | 60000 | 46200 | 2.27 | 536 | 6.6 |
| | RAM | 1.05 | .21 | -.47 | -.34 | 1.33 | 1.43 | -1.31 | .00 | .00 |
| | BLEED | -3.17 | -.25 | .22 | 2.41 | -2.62 | -3.42 | 3.34 | .07 | .00 |
| | POWER | -1.85 | .09 | -.04 | 1.80 | -1.08 | -1.40 | 1.52 | -.01 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY PRESSURE ALTITUDE 0 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 41700 | 1.84 | 1101 | 151.8 | 550 | 1765 |
| | P2 = 14.70 | RAM | .00 | 1.69 | -.79 | .00 | 1.01 | 1.00 | .00 |
| | T2 = 519 | BLEED | .00 | -3.46 | 1.84 | -.62 | -1.96 | .14 | -.00 |
| | ERI = 0 | POWER | .00 | -1.52 | 1.78 | .04 | .14 | .14 | -.00 |
| .30 | NR = 1.00 | 1.06 | 6010 | 36500 | 2.20 | 1113 | 158.8 | 577 | 1765 |
| | P2 = 15.64 | RAM | 1.00 | 1.86 | -.99 | -.00 | 1.00 | 1.00 | -.00 |
| | T2 = 528 | BLEED | .08 | -3.66 | 2.08 | -.59 | -1.93 | .08 | -.00 |
| | ERI = 0 | POWER | .06 | -1.10 | 1.33 | .04 | .13 | .06 | -.00 |
| .60 | NR = 1.00 | 1.28 | 13800 | 40800 | 2.21 | 1149 | 181.0 | 661 | 1765 |
| | P2 = 18.75 | RAM | 1.00 | 1.85 | -.97 | -.00 | 1.00 | 1.00 | .00 |
| | T2 = 556 | BLEED | .07 | -3.83 | 2.34 | -.53 | -1.85 | .07 | .01 |
| | ERI = 0 | POWER | -.01 | -1.00 | 1.20 | .02 | .10 | -.01 | .00 |

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GENERAL ELECTRIC GE4/P6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|------|-------|
| .00 | 1.00 | 1.97 | 76852 | 2857 | 2098 | 42100 | 42100 | 1.82 | 550 | 6.6 |
| | RAM | 1.01 | .97 | -.01 | -.14 | 1.69 | 1.69 | -.79 | .00 | .00 |
| | BLEED | -3.08 | -1.71 | -.77 | 2.15 | -3.46 | -3.46 | 1.84 | .14 | .00 |
| | POWER | -2.30 | .23 | -.10 | 2.61 | -1.52 | -1.52 | 1.78 | .14 | .00 |
| .30 | 1.06 | 2.04 | 80124 | 2852 | 2109 | 45300 | 39300 | 2.04 | 547 | 6.6 |
| | RAM | 1.01 | .97 | -.02 | -.09 | 1.64 | 1.73 | -.84 | .00 | .00 |
| | BLEED | -3.05 | -1.69 | -.69 | 1.94 | -3.32 | -3.84 | 2.27 | .08 | .00 |
| | POWER | -2.14 | .22 | -.04 | 2.16 | -1.36 | -1.58 | 1.83 | .06 | .00 |
| .60 | 1.28 | 2.29 | 90437 | 2846 | 2148 | 57200 | 43400 | 2.08 | 536 | 6.6 |
| | RAM | 1.00 | .97 | -.02 | -.02 | 1.54 | 1.71 | -.81 | .00 | .00 |
| | BLEED | -3.03 | -1.63 | -.63 | 1.75 | -2.98 | -3.95 | 2.47 | .07 | .00 |
| | POWER | -1.82 | .18 | .00 | 1.78 | -1.02 | -1.34 | 1.54 | -.01 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|-------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 37300 | 1.46 | 1101 | 151.8 | 550 | 1765 |
| | P2 = 14.70 | RAM | .00 | 1.67 | -.75 | .00 | 1.01 | 1.00 | .00 |
| | T2 = 519 | BLEED | .00 | -3.33 | 1.75 | -.62 | -1.96 | .14 | -.00 |
| | ERI = 0 | POWER | .00 | -1.41 | 1.71 | .04 | .14 | .14 | -.00 |
| .30 | NR = 1.00 | 1.06 | 6010 | 30600 | 1.86 | 1113 | 158.8 | 577 | 1765 |
| | P2 = 15.64 | RAM | 1.00 | 1.74 | -.84 | -.00 | 1.00 | 1.00 | -.00 |
| | T2 = 528 | BLEED | .08 | -3.85 | 2.34 | -.59 | -1.93 | .08 | -.00 |
| | ERI = 0 | POWER | .06 | -1.53 | 1.82 | .04 | .13 | .06 | -.00 |
| .60 | NR = 1.00 | 1.28 | 13800 | 33000 | 1.94 | 1149 | 181.0 | 661 | 1765 |
| | P2 = 18.75 | RAM | 1.00 | 1.98 | -1.11 | -.00 | 1.00 | 1.00 | .00 |
| | T2 = 556 | BLEED | .07 | -3.94 | 2.52 | -.53 | -1.85 | .07 | .01 |
| | ERI = 0 | POWER | -.01 | -.88 | 1.10 | .02 | .10 | -.01 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|------|-------|
| .00 | 1.00 | 2.00 | 54454 | 2290 | 1821 | 37700 | 37700 | 1.45 | 550 | 6.6 |
| | RAM | 1.01 | .98 | -.00 | -.14 | 1.67 | 1.67 | -.75 | .00 | .00 |
| | BLEED | -3.01 | -1.66 | -.78 | 2.06 | -3.33 | -3.33 | 1.75 | .14 | .00 |
| | POWER | -2.21 | .28 | -.11 | 2.47 | -1.41 | -1.41 | 1.71 | .14 | .00 |
| .30 | 1.06 | 2.08 | 56757 | 2288 | 1834 | 40500 | 34500 | 1.65 | 547 | 6.6 |
| | RAM | 1.00 | .98 | -.02 | -.05 | 1.62 | 1.73 | -.82 | .00 | .00 |
| | BLEED | -2.98 | -1.64 | -.70 | 1.73 | -3.20 | -3.77 | 2.26 | .08 | .00 |
| | POWER | -2.06 | .26 | -.05 | 2.04 | -1.27 | -1.50 | 1.79 | .06 | .00 |
| .60 | 1.28 | 2.33 | 63995 | 2286 | 1867 | 51100 | 37300 | 1.72 | 536 | 6.6 |
| | RAM | 1.00 | .98 | -.02 | -.02 | 1.52 | 1.72 | -.81 | .00 | .00 |
| | BLEED | -2.96 | -1.58 | -.65 | 1.70 | -2.88 | -3.97 | 2.55 | .07 | .00 |
| | POWER | -1.74 | .21 | -.01 | 1.71 | -.96 | -1.31 | 1.54 | -.01 | .00 |

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CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 31400 | 1.02 | 1101 | 151.8 | 550 | 1765 |
| | P2 = 14.70 | RAM | .00 | 1.65 | -.70 | .00 | 1.01 | 1.00 | .00 |
| | T2 = 519 | BLEED | .00 | -3.19 | 1.73 | -.62 | -1.96 | .14 | -.00 |
| | ERI = 0 | POWER | .00 | -1.31 | 1.72 | .04 | .14 | .14 | -.00 |
| .30 | NR = 1.00 | 1.06 | 6010 | 24800 | 1.35 | 1113 | 158.8 | 577 | 1765 |
| | P2 = 15.64 | RAM | 1.00 | 1.75 | -.82 | -.00 | 1.00 | 1.00 | -.00 |
| | T2 = 528 | BLEED | .08 | -3.85 | 2.46 | -.59 | -1.93 | .08 | -.00 |
| | ERI = 0 | POWER | .06 | -1.49 | 1.88 | .04 | .13 | .06 | -.00 |
| .60 | NR = 1.00 | 1.28 | 13800 | 25100 | 1.50 | 1149 | 181.0 | 661 | 1765 |
| | P2 = 18.75 | RAM | 1.00 | 1.79 | -.87 | -.00 | 1.00 | 1.00 | .00 |
| | T2 = 556 | BLEED | .07 | -4.35 | 3.10 | -.53 | -1.85 | .07 | .01 |
| | ERI = 0 | POWER | -.01 | -1.40 | 1.72 | .02 | .10 | -.01 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|------|-------|
| .00 | 1.00 | 2.04 | 32055 | 1628 | 1496 | 31700 | 31700 | 1.01 | 550 | 6.6 |
| | RAM | 1.01 | 1.01 | .01 | -.10 | 1.65 | 1.65 | -.70 | .00 | .00 |
| | BLEED | -2.95 | -1.55 | -.78 | 1.88 | -3.19 | -3.19 | 1.73 | .14 | .00 |
| | POWER | -2.12 | .38 | -.14 | 2.14 | -1.31 | -1.31 | 1.72 | .14 | .00 |
| .30 | 1.06 | 2.12 | 33390 | 1628 | 1507 | 34100 | 28100 | 1.19 | 547 | 6.6 |
| | RAM | 1.00 | 1.00 | .00 | -.02 | 1.60 | 1.73 | -.80 | .00 | .00 |
| | BLEED | -2.92 | -1.53 | -.71 | 1.63 | -3.08 | -3.76 | 2.36 | .08 | .00 |
| | POWER | -1.97 | .35 | -.09 | 1.94 | -1.19 | -1.46 | 1.84 | .06 | .00 |
| .60 | 1.28 | 2.38 | 37553 | 1634 | 1534 | 43000 | 29200 | 1.28 | 536 | 6.6 |
| | RAM | 1.00 | 1.00 | -.00 | -.02 | 1.51 | 1.75 | -.83 | .00 | .00 |
| | BLEED | -2.89 | -1.45 | -.66 | 1.65 | -2.78 | -4.13 | 2.85 | .07 | .00 |
| | POWER | -1.67 | .30 | -.05 | 1.61 | -.90 | -1.33 | 1.65 | -.01 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| M0 | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|-----|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| .00 | NR = | 1.00 | 1.00 | 0 | 27200 | .710 | 1101 | 151.8 | 550 | 1765 |
| | P2 = | 14.70 | RAM | .00 | 1.64 | -.68 | .00 | 1.01 | 1.00 | .00 |
| | T2 = | 519 | BLEED | .00 | -3.07 | 1.88 | -.62 | -1.96 | .14 | -.00 |
| | ERI = | 0 | POWER | .00 | -1.26 | 1.83 | .04 | .14 | .14 | -.00 |
| .30 | NR = | 1.00 | 1.06 | 6010 | 21400 | .94 | 1113 | 158.8 | 577 | 1765 |
| | P2 = | 15.64 | RAM | 1.00 | 1.65 | -.70 | -.00 | 1.00 | 1.00 | -.00 |
| | T2 = | 528 | BLEED | .08 | -3.82 | 2.71 | -.59 | -1.93 | .08 | -.00 |
| | ERI = | 0 | POWER | .06 | -1.78 | 2.33 | .04 | .13 | .06 | -.00 |
| .60 | NR = | 1.00 | 1.28 | 13800 | 20700 | 1.08 | 1149 | 181.0 | 661 | 1765 |
| | P2 = | 18.75 | RAM | 1.00 | 2.09 | -1.21 | -.00 | 1.00 | 1.00 | .00 |
| | T2 = | 556 | BLEED | .07 | -4.51 | 3.57 | -.53 | -1.85 | .07 | .01 |
| | ERI = | 0 | POWER | -.01 | -1.17 | 1.63 | .02 | .10 | -.01 | .00 |

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GEI 84210

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|------|-------|
| .00 | 1.00 | 2.07 | 19285 | 1229 | 1284 | 27500 | 27500 | .700 | 550 | 6.6 |
| | RAM | 1.01 | 1.01 | .00 | -.09 | 1.64 | 1.64 | -.68 | .00 | .00 |
| | BLEED | -2.91 | -1.28 | -.67 | 1.83 | -3.07 | -3.07 | 1.88 | .14 | .00 |
| | POWER | -2.06 | .55 | -.18 | 2.07 | -1.26 | -1.26 | 1.83 | .14 | .00 |
| .30 | 1.06 | 2.15 | 20030 | 1231 | 1293 | 29600 | 23600 | .85 | 547 | 6.6 |
| | RAM | 1.00 | 1.00 | .00 | -.04 | 1.59 | 1.74 | -.81 | .00 | .00 |
| | BLEED | -2.88 | -1.27 | -.64 | 1.68 | -2.98 | -3.75 | 2.64 | .08 | 85.86 |
| | POWER | -1.92 | .51 | -.15 | 1.88 | -1.16 | -1.47 | 2.01 | .061 | 15.25 |
| .60 | 1.28 | 2.41 | 22318 | 1239 | 1315 | 37300 | 23600 | .95 | 536 | 15.1 |
| | RAM | 1.00 | 1.00 | .00 | -.04 | 1.50 | 1.79 | -.87 | .00 | .00 |
| | BLEED | -2.85 | -1.19 | -.59 | 1.69 | -2.69 | -4.30 | 3.33 | .07 | .00 |
| | POWER | -1.63 | .43 | -.10 | 1.57 | -.89 | -1.41 | 1.87 | -.01 | .00 |

GEI 84219

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 22900 | .755 | 1071 | 140.9 | 520 | 1714 |
| | P2 = 14.70 | RAM | .00 | 1.63 | -.95 | -.02 | .95 | 1.09 | -.17 |
| | T2 = 519 | BLEED | .00 | -.43 | 2.34 | -.41 | -1.10 | .21 | 2.00 |
| | ERI = 0 | POWER | .00 | 1.12 | 3.51 | .32 | 1.12 | -.44 | 2.60 |
| .30 | NR = 1.00 | 1.06 | 5670 | 19000 | .96 | 1084 | 147.7 | 545 | 1724 |
| | P2 = 15.64 | RAM | 1.03 | 1.59 | -.73 | -.01 | .98 | 1.03 | -.06 |
| | T2 = 528 | BLEED | .45 | 1.17 | 2.42 | -.44 | -1.24 | .45 | 1.57 |
| | ERI = 0 | POWER | -.37 | 1.44 | 2.77 | .29 | 1.00 | -.37 | 2.35 |
| .60 | NR = 1.00 | 1.28 | 12900 | 19100 | 1.08 | 1119 | 167.1 | 619 | 1754 |
| | P2 = 18.75 | RAM | 1.02 | 1.67 | -.79 | -.00 | .99 | 1.02 | -.04 |
| | T2 = 556 | BLEED | .76 | -4.20 | 4.02 | -.55 | -1.67 | .76 | .42 |
| | ERI = 0 | POWER | .47 | -1.40 | 2.84 | .09 | .32 | .47 | .54 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| M0 | P2/PO | P8/PO | WFT | T8 | A8 | FCB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|------|--------|
| .00 | 1.00 | 1.99 | 17367 | 1197 | 1249 | 25100 | 25100 | .690 | 520 | 15.1 |
| | RAM | .85 | .76 | -.18 | .00 | 1.56 | 1.56 | -.87 | .09 | .00 |
| | BLEED | -.40 | 1.89 | .99 | .19 | -.54 | -.54 | 2.45 | .21 | .00 |
| | POWER | .78 | 4.66 | 2.26 | .00 | 1.20 | 1.20 | 3.42 | -.44 | .00 |
| .30 | 1.06 | 2.09 | 18189 | 1206 | 1249 | 27100 | 21500 | .85 | 516 | 15.1 |
| | RAM | .94 | .92 | -.06 | .00 | 1.58 | 1.73 | -.88 | .03 | .00 |
| | BLEED | -.99 | 1.28 | .53 | .68 | -.86 | -1.20 | 2.53 | .45 | -37.53 |
| | POWER | .66 | 4.25 | 2.01 | -.03 | 1.13 | 1.52 | 2.69 | -.37 | .00 |
| .60 | 1.28 | 2.38 | 20539 | 1228 | 1249 | 34500 | 21700 | .95 | 502 | 6.6 |
| | RAM | .96 | .95 | -.04 | .00 | 1.49 | 1.76 | -.90 | .02 | .00 |
| | BLEED | -2.45 | -.44 | -.53 | 1.94 | -1.80 | -3.32 | 3.04 | .76 | .00 |
| | POWER | -1.32 | 1.39 | .11 | 1.79 | -.14 | -.50 | 1.91 | .47 | .00 |

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CEI 94219

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE****P.S. 9.0****JANUARY 1964****STANDARD DAY****PRESSURE ALTITUDE****0 FEET**

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|-------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 14700 | .735 | 978 | 103.8 | 430 | 1475 |
| | P2 = 14.70 | RAM | .00 | 1.94 | -1.27 | -.01 | .96 | 1.29 | -.15 |
| | T2 = 519 | BLEED | .00 | -.36 | 2.97 | -.38 | -1.04 | .14 | 2.41 |
| | ERI = 0 | POWER | .00 | 1.26 | 4.87 | .41 | 1.46 | -.65 | 3.23 |
| .30 | NR = 1.00 | 1.06 | 4700 | 11000 | .99 | 985 | 106.6 | 451 | 1464 |
| | P2 = 15.64 | RAM | 1.19 | 2.06 | -1.45 | -.02 | .94 | 1.19 | -.17 |
| | T2 = 528 | BLEED | .13 | -.62 | 3.28 | -.39 | -1.09 | .13 | 2.41 |
| | ERI = 0 | POWER | -.52 | 2.17 | 4.00 | .39 | 1.46 | -.52 | 3.23 |
| .60 | NR = 1.00 | 1.28 | 10600 | 8840 | 1.25 | 1006 | 114.8 | 509 | 1432 |
| | P2 = 18.75 | RAM | 1.08 | 2.23 | -1.74 | -.02 | .92 | 1.08 | -.20 |
| | T2 = 556 | BLEED | .09 | -1.31 | 4.02 | -.43 | -1.22 | .09 | 2.35 |
| | ERI = 0 | POWER | -.23 | 3.77 | 2.46 | .38 | 1.46 | -.23 | 3.12 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|-------|------|-------|
| .00 | 1.00 | 1.61 | 10800 | 1036 | 1249 | 16200 | 16200 | .665 | 430 | 15.1 |
| | RAM | .82 | .79 | -.25 | .00 | 1.94 | 1.94 | -1.27 | .30 | .00 |
| | BLEED | -.15 | 2.60 | 1.25 | .00 | -.36 | -.36 | 2.97 | .14 | .00 |
| | POWER | .48 | 6.16 | 2.64 | .00 | 1.26 | 1.26 | 4.87 | -.65 | .00 |
| .30 | 1.06 | 1.66 | 10886 | 1026 | 1249 | 17400 | 12700 | .86 | 427 | 15.1 |
| | RAM | .80 | .76 | -.22 | .00 | 1.80 | 2.02 | -1.41 | .20 | .00 |
| | BLEED | -.18 | 2.62 | 1.22 | .00 | -.40 | -.59 | 3.24 | .13 | .00 |
| | POWER | .62 | 6.23 | 2.55 | .00 | 1.37 | 2.07 | 4.11 | -.52 | .00 |
| .60 | 1.28 | 1.81 | 11082 | 1006 | 1249 | 21500 | 10900 | 1.02 | 413 | 15.1 |
| | RAM | .79 | .68 | -.18 | .00 | 1.60 | 2.11 | -1.59 | .08 | .00 |
| | BLEED | -.26 | 2.62 | 1.11 | .00 | -.55 | -1.17 | 3.86 | .09 | .00 |
| | POWER | .64 | 6.30 | 2.26 | .00 | 1.59 | 3.35 | 2.88 | -.23 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|------|--------|---------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 6060 | .800 | 865 | 64.5 | 335 | 1150 |
| | P2 = 14.70 | RAM | .00 | 2.33 | -2.77 | -.06 | .76 | 1.58 | -.64 |
| | T2 = 519 | BLEED | .00 | -.65 | 4.06 | -.41 | -1.23 | .06 | 2.57 |
| | ERI = 0 | POWER | .00 | 2.81 | 9.32 | .60 | 2.56 | -.33 | 5.33 |
| .30 | NR = 1.00 | 1.06 | 3680 | 2870 | 1.61 | 870 | 65.5 | 353 | 1116 |
| | P2 = 15.64 | RAM | 1.43 | 2.92 | -3.74 | -.07 | .73 | 1.43 | -.69 |
| | T2 = 528 | BLEED | .05 | -1.71 | 5.31 | -.44 | -1.31 | .05 | 2.53 |
| | ERI = 0 | POWER | -.26 | 6.57 | 5.72 | .61 | 2.55 | -.26 | 5.25 |
| .60 | NR = 1.00 | 1.28 | 8320 | -260 | -14.635 | 887 | 68.9 | 400 | 1011 |
| | P2 = 18.75 | RAM | 1.08 | -14.58 | 8.19 | -.06 | .73 | 1.08 | -.66 |
| | T2 = 556 | BLEED | .02 | 27.80 | -16.64 | -.44 | -1.41 | .02 | 2.40 |
| | ERI = 0 | POWER | -.06 | -79.47 | 131.55 | .52 | 2.46 | -.06 | 4.87 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|------|--------|--------|------|-------|
| 0 | 1.00 | 1.18 | 4838 | 820 | 1587 | 6710 | 6710 | .720 | 335 | 6.6 |
| | RAM | .36 | -.12 | -.66 | .00 | 2.33 | 2.33 | -2.77 | .62 | .00 |
| | BLEED | -.11 | 3.37 | 1.17 | .00 | -.65 | -.65 | 4.06 | .06 | .00 |
| | POWER | .44 | 12.21 | 3.51 | .00 | 2.81 | 2.81 | 9.32 | -.33 | .00 |
| .30 | 1.06 | 1.19 | 4614 | 800 | 1587 | 7240 | 3570 | 1.29 | 335 | 6.6 |
| | RAM | .35 | -.27 | -.61 | .00 | 2.08 | 2.76 | -3.51 | .45 | .00 |
| | BLEED | -.13 | 3.47 | 1.10 | .00 | -.72 | -1.51 | 5.10 | .05 | .00 |
| | POWER | .43 | 12.42 | 3.33 | .00 | 2.73 | 5.82 | 6.47 | -.26 | .00 |
| .60 | 1.28 | 1.23 | 3877 | 758 | 1587 | 8920 | 600 | 6.51 | 324 | 6.6 |
| | RAM | .32 | -.42 | -.42 | .00 | 1.59 | 8.79 | -16.42 | .08 | .00 |
| | BLEED | -.18 | 4.22 | .97 | .00 | -.89 | -13.66 | 22.49 | .02 | .00 |
| | POWER | .51 | 13.92 | 2.78 | .00 | 2.55 | 39.05 | -21.99 | -.06 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|------|--------|--------|------|-------|------|-------|
| .00 | NR = 1.00 | 1.00 | 0 | 1740 | 1.52 | 765 | 39.8 | 228 | 1070 |
| | P2 = 14.70 | RAM | .00 | 3.64 | -6.06 | -.14 | .49 | 2.54 | -1.23 |
| | T2 = 519 | BLEED | .00 | -.84 | 4.20 | -.49 | -1.28 | .04 | 2.50 |
| | ERI = 0 | POWER | .00 | 6.23 | 18.96 | 1.28 | 4.77 | -.22 | 10.62 |
| .30 | NR = 1.00 | 1.06 | 2550 | -640 | -3.685 | 767 | 40.0 | 245 | 1002 |
| | P2 = 15.64 | RAM | 1.48 | .03 | -2.10 | -.17 | .39 | 1.48 | -1.43 |
| | T2 = 528 | BLEED | .02 | 3.44 | .28 | -.50 | -1.36 | .02 | 2.46 |
| | ERI = 0 | POWER | -.08 | -13.57 | 42.39 | 1.30 | 4.82 | -.08 | 10.58 |
| .60 | NR = 1.00 | 1.28 | 5830 | -3440 | -.475 | 775 | 41.3 | 280 | 859 |
| | P2 = 18.75 | RAM | 1.10 | .82 | -3.33 | -.14 | .47 | 1.10 | -1.20 |
| | T2 = 556 | BLEED | .02 | .78 | 4.47 | -.56 | -1.50 | .02 | 2.22 |
| | ERI = 0 | POWER | -.05 | -3.85 | 41.91 | 1.26 | 4.99 | -.05 | 10.39 |

CONFIDENTIAL

CEI 84210

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

0 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|-------|------|-------|--------|--------|------|-------|
| .00 | 1.00 | 1.03 | 2653 | 758 | 2400 | 1920 | 1920 | 1.38 | 228 | 6.6 |
| | RAM | .11 | -1.31 | -1.39 | .00 | 3.63 | 3.63 | -6.04 | 1.62 | .00 |
| | BLEED | -.04 | 3.31 | 1.07 | .00 | -.83 | -.83 | 4.19 | .04 | .00 |
| | POWER | .18 | 25.38 | 6.51 | .00 | 6.21 | 6.21 | 18.98 | -.22 | .00 |
| .30 | 1.06 | 1.04 | 2340 | 725 | 2400 | 2120 | -440 | -5.365 | 232 | 6.6 |
| | RAM | .08 | -2.07 | -1.05 | .00 | 1.96 | -.82 | -1.20 | .51 | .00 |
| | BLEED | -.06 | 3.74 | .99 | .00 | -1.11 | 5.49 | -1.62 | .02 | .00 |
| | POWER | .16 | 27.92 | 6.08 | .00 | 4.37 | -21.67 | 51.34 | -.08 | .00 |
| .60 | 1.28 | 1.04 | 1632 | 676 | 2400 | 2630 | -3200 | -.510 | 227 | 6.6 |
| | RAM | .06 | -2.37 | -.65 | .00 | 1.50 | .77 | -3.27 | .11 | .00 |
| | BLEED | -.05 | 5.31 | .81 | .00 | -1.08 | .92 | 4.32 | .02 | .00 |
| | POWER | .21 | 37.80 | 5.22 | .00 | 5.41 | -4.54 | 42.65 | -.05 | .00 |

CONFIDENTIAL

GEI 64219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|-------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 38700 | 2.29 | 1152 | 141.1 | 515 | 1765 |
| | P2 = 14.70 | RAM | .00 | 1.98 | -.55 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 559 | BLEED | .00 | -5.38 | -1.81 | -.53 | -1.85 | .08 | -.00 |
| | ERI = 1 | POWER | .00 | -3.83 | -2.59 | .03 | .12 | -.01 | .00 |
| .30 | NR = 1.00 | 1.06 | 5830 | 34800 | 2.65 | 1164 | 147.4 | 540 | 1765 |
| | P2 = 15.64 | RAM | 1.00 | 2.16 | -.94 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 569 | BLEED | .11 | -6.34 | -.34 | -.53 | -1.84 | .11 | -.00 |
| | ERI = 1 | POWER | -.00 | -4.31 | -1.44 | .03 | .12 | -.00 | .00 |
| .60 | NR = 1.00 | 1.28 | 13300 | 38800 | 2.62 | 1203 | 167.7 | 617 | 1765 |
| | P2 = 18.75 | RAM | 1.00 | 2.01 | -.97 | -.00 | 1.00 | 1.00 | .00 |
| | T2 = 599 | BLEED | .15 | -6.70 | .22 | -.53 | -1.82 | .15 | -.02 |
| | ERI = 1 | POWER | .05 | -3.95 | -.98 | .02 | .10 | .05 | -.02 |

CONFIDENTIAL

CONFIDENTIAL

GEI 64219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFC8 | W2K | BTANG |
|-----|-------|-------|--------|-------|------|-------|-------|-------|------|-------|
| .00 | 1.00 | 1.75 | 88701 | 3265 | 2402 | 39100 | 39100 | 2.27 | 535 | 6.6 |
| | RAM | .98 | 1.48 | .29 | .01 | 1.98 | 1.98 | -.55 | .00 | .00 |
| | BLEED | -2.70 | -7.04 | -3.80 | -.02 | -5.38 | -5.38 | -1.81 | .08 | .00 |
| | POWER | -1.93 | -6.32 | -3.74 | -.06 | -3.83 | -3.83 | -2.59 | -.01 | .00 |
| .30 | 1.06 | 1.83 | 92155 | 3260 | 2402 | 42300 | 36400 | 2.53 | 531 | 6.6 |
| | RAM | .99 | 1.32 | .19 | .00 | 1.87 | 2.01 | -.77 | .00 | .00 |
| | BLEED | -2.73 | -6.65 | -3.59 | -.02 | -5.08 | -5.91 | -.81 | .11 | .00 |
| | POWER | -1.88 | -5.69 | -3.40 | -.06 | -3.44 | -3.99 | -1.77 | -.00 | .00 |
| .60 | 1.28 | 2.05 | 101885 | 3222 | 2400 | 53600 | 40300 | 2.53 | 520 | 6.6 |
| | RAM | .99 | 1.15 | .09 | -.01 | 1.68 | 1.91 | -.85 | .00 | .00 |
| | BLEED | -2.85 | -6.50 | -3.57 | -.00 | -4.75 | -6.37 | -.14 | .15 | .00 |
| | POWER | -1.77 | -4.88 | -2.95 | .01 | -2.83 | -3.78 | -1.15 | .05 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|-------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 36300 | 1.96 | 1152 | 141.1 | 515 | 1765 |
| | P2 = 14.70 | RAM | .00 | 1.82 | -.94 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 559 | BLEED | .00 | -3.82 | 2.34 | -.53 | -1.85 | .08 | -.00 |
| | ERI = 0 | POWER | .00 | -1.95 | 2.22 | .03 | .12 | -.01 | .00 |
| .30 | NR = 1.00 | 1.06 | 5830 | 31300 | 2.36 | 1164 | 147.4 | 540 | 1765 |
| | P2 = 15.64 | RAM | 1.00 | 1.95 | -1.09 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 569 | BLEED | .11 | -4.19 | 2.76 | -.53 | -1.84 | .11 | -.00 |
| | ERI = 0 | POWER | -.00 | -1.68 | 1.93 | .03 | .12 | -.00 | .00 |
| .60 | NR = 1.00 | 1.28 | 13300 | 34700 | 2.40 | 1203 | 167.7 | 617 | 1765 |
| | P2 = 18.75 | RAM | 1.00 | 1.97 | -1.12 | -.00 | 1.00 | 1.00 | .00 |
| | T2 = 599 | BLEED | .15 | -4.24 | 2.83 | -.53 | -1.82 | .15 | -.02 |
| | ERI = 0 | POWER | .05 | -1.32 | 1.52 | .02 | .10 | .05 | -.02 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|-------|------|-------|
| .00 | 1.00 | 1.78 | 71091 | 2858 | 2190 | 36700 | 36700 | 1.94 | 535 | 6.6 |
| | RAM | 1.01 | .97 | -.01 | -.20 | 1.82 | 1.82 | -.94 | .00 | .00 |
| | BLEED | -3.04 | -1.62 | -.67 | 2.30 | -3.82 | -3.82 | 2.34 | .08 | .00 |
| | POWER | -2.33 | .22 | -.02 | 2.62 | -1.95 | -1.95 | 2.22 | -.01 | .00 |
| .30 | 1.06 | 1.85 | 73977 | 2856 | 2192 | 39600 | 33800 | 2.19 | 531 | 6.6 |
| | RAM | 1.01 | .97 | -.01 | -.14 | 1.76 | 1.89 | -1.02 | .00 | .00 |
| | BLEED | -3.05 | -1.61 | -.68 | 2.13 | -3.61 | -4.25 | 2.82 | .11 | .00 |
| | POWER | -2.24 | .21 | -.03 | 2.38 | -1.72 | -2.02 | 2.28 | -.00 | .00 |
| .60 | 1.28 | 2.08 | 83256 | 2852 | 2209 | 50400 | 37100 | 2.24 | 520 | 6.6 |
| | RAM | 1.00 | .96 | -.02 | -.05 | 1.62 | 1.84 | -.97 | .00 | .00 |
| | BLEED | -3.17 | -1.59 | -.66 | 2.04 | -3.26 | -4.49 | 3.11 | .15 | .00 |
| | POWER | -2.09 | .18 | -.04 | 2.08 | -1.32 | -1.81 | 2.03 | .05 | .00 |

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CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|-------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 32600 | 1.54 | 1152 | 141.1 | 515 | 1765 |
| | P2 = 14.70 | RAM | .00 | 1.79 | -.89 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 559 | BLEED | .00 | -3.66 | 2.21 | -.53 | -1.85 | .08 | -.00 |
| | ERI = 0 | POWER | .00 | -1.81 | 2.12 | .03 | .12 | -.01 | .00 |
| .30 | NR = 1.00 | 1.06 | 5830 | 26300 | 1.99 | 1164 | 147.4 | 540 | 1765 |
| | P2 = 15.64 | RAM | 1.00 | 1.71 | -.80 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 569 | BLEED | .11 | -3.31 | 1.84 | -.53 | -1.84 | .11 | -.00 |
| | ERI = 0 | POWER | -.00 | -1.23 | 1.51 | .03 | .12 | -.00 | .00 |
| .60 | NR = 1.00 | 1.28 | 13300 | 27800 | 2.11 | 1203 | 167.7 | 617 | 1765 |
| | P2 = 18.75 | RAM | 1.00 | 2.09 | -1.24 | -.00 | 1.00 | 1.00 | .00 |
| | T2 = 599 | BLEED | .15 | -4.23 | 2.87 | -.53 | -1.82 | .15 | -.02 |
| | ERI = 0 | POWER | .05 | -1.05 | 1.28 | .02 | .10 | .05 | -.02 |

CONFIDENTIAL

GEI 84210

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY + 40 F

PRESSURE ALTITUDE

0 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|------|-------|
| .00 | 1.00 | 1.82 | 50161 | 2293 | 1899 | 33000 | 33000 | 1.52 | 535 | 6.6 |
| | RAM | 1.01 | .98 | -.01 | -.18 | 1.79 | 1.79 | -.89 | .00 | .00 |
| | BLEED | -2.97 | -1.57 | -.68 | 2.15 | -3.66 | -3.66 | 2.21 | .08 | .00 |
| | POWER | -2.24 | .27 | -.04 | 2.46 | -1.81 | -1.81 | 2.12 | -.01 | .00 |
| .30 | 1.06 | 1.89 | 52180 | 2293 | 1901 | 35500 | 29700 | 1.76 | 531 | 6.6 |
| | RAM | 1.01 | .98 | -.00 | -.13 | 1.73 | 1.88 | -.99 | .00 | .00 |
| | BLEED | -2.97 | -1.56 | -.70 | 2.02 | -3.46 | -4.16 | 2.77 | .11 | .00 |
| | POWER | -2.15 | .26 | -.04 | 2.31 | -1.62 | -1.93 | 2.24 | -.00 | .00 |
| .60 | 1.28 | 2.12 | 58653 | 2293 | 1920 | 45200 | 31900 | 1.84 | 520 | 6.6 |
| | RAM | 1.00 | .97 | -.02 | -.02 | 1.60 | 1.85 | -.96 | .00 | .00 |
| | BLEED | -3.08 | -1.54 | -.67 | 1.87 | -3.13 | -4.50 | 3.18 | .15 | .00 |
| | POWER | -2.00 | .22 | -.06 | 1.97 | -1.22 | -1.75 | 2.01 | .05 | .00 |

CONFIDENTIAL

GRT 84219

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 4.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|-------|-------|------------|-------|-------|------|-------|------|------|
| .00 | NR = | 1.00 | 0 | 27600 | 1.06 | 1152 | 141.1 | 515 | 1765 |
| | P2 = | 14.70 | RAM .00 | 1.77 | -.83 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = | 559 | BLEED .00 | -3.50 | 2.15 | -.53 | -1.85 | .08 | -.00 |
| | ERI = | 0 | POWER .00 | -1.68 | 2.09 | .03 | .12 | -.01 | .00 |
| .30 | NR = | 1.00 | 5830 | 21300 | 1.43 | 1164 | 147.4 | 540 | 1765 |
| | P2 = | 15.64 | RAM 1.00 | 1.90 | -.99 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = | 569 | BLEED .11 | -4.24 | 2.98 | -.53 | -1.84 | .11 | -.00 |
| | ERI = | 0 | POWER -.00 | -1.92 | 2.33 | .03 | .12 | -.00 | .00 |
| .60 | NR = | 1.00 | 13300 | 21200 | 1.61 | 1203 | 167.7 | 617 | 1765 |
| | P2 = | 18.75 | RAM 1.00 | 1.95 | -1.05 | -.00 | 1.00 | 1.00 | .00 |
| | T2 = | 599 | BLEED .15 | -4.98 | 3.86 | -.53 | -1.82 | .15 | -.02 |
| | ERI = | 0 | POWER .05 | -1.89 | 2.24 | .02 | .10 | .05 | -.02 |

CONFIDENTIAL

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|------|-------|
| .00 | 1.00 | 1.86 | 29230 | 1633 | 1558 | 27900 | 27900 | 1.05 | 535 | 6.6 |
| | RAM | 1.01 | 1.01 | .01 | -.18 | 1.77 | 1.77 | -.83 | .00 | .00 |
| | BLEED | -2.90 | -1.47 | -.69 | 2.05 | -3.50 | -3.50 | 2.15 | .08 | .00 |
| | POWER | -2.14 | .38 | -.08 | 2.31 | -1.68 | -1.68 | 2.09 | -.01 | .00 |
| .30 | 1.06 | 1.93 | 30382 | 1635 | 1559 | 30000 | 24200 | 1.26 | 531 | 6.6 |
| | RAM | 1.01 | 1.01 | .01 | -.14 | 1.71 | 1.88 | -.96 | .00 | .00 |
| | BLEED | -2.90 | -1.45 | -.69 | 1.97 | -3.30 | -4.13 | 2.85 | .11 | .00 |
| | POWER | -2.06 | .36 | -.08 | 2.19 | -1.51 | -1.87 | 2.28 | -.00 | .00 |
| .60 | 1.28 | 2.17 | 34050 | 1642 | 1578 | 38200 | 24900 | 1.37 | 520 | 6.6 |
| | RAM | 1.00 | 1.00 | -.00 | -.02 | 1.58 | 1.90 | -.99 | .00 | .00 |
| | BLEED | -3.00 | -1.41 | -.67 | 1.80 | -3.00 | -4.69 | 3.52 | .15 | .00 |
| | POWER | -1.91 | .31 | -.10 | 1.85 | -1.14 | -1.77 | 2.13 | .05 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|-------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 24000 | .720 | 1152 | 141.1 | 515 | 1765 |
| | P2 = 14.70 | RAM | .00 | 1.74 | -.80 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 559 | BLEED | .00 | -3.35 | 2.26 | -.53 | -1.85 | .08 | -.00 |
| | ERI = 0 | POWER | .00 | -1.60 | 2.19 | .03 | .12 | -.01 | .00 |
| .30 | NR = 1.00 | 1.06 | 5830 | 18500 | .97 | 1164 | 147.4 | 540 | 1765 |
| | P2 = 15.64 | RAM | 1.00 | 2.12 | -1.24 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 569 | BLEED | .11 | -4.59 | 3.66 | -.53 | -1.84 | .11 | -.00 |
| | ERI = 0 | POWER | -.00 | -2.03 | 2.61 | .03 | .12 | -.00 | .00 |
| .60 | NR = 1.00 | 1.28 | 13300 | 17500 | 1.14 | 1203 | 167.7 | 617 | 1765 |
| | P2 = 18.75 | RAM | 1.00 | 1.91 | -1.01 | -.00 | 1.00 | 1.00 | .00 |
| | T2 = 599 | BLEED | .15 | -4.33 | 3.43 | -.53 | -1.82 | .15 | -.02 |
| | ERI = 0 | POWER | .05 | -1.11 | 1.59 | .02 | .10 | .05 | -.02 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|-------|------|-------|
| .00 | 1.00 | 1.88 | 17354 | 1239 | 1339 | 24300 | 24300 | .715 | 535 | 15.1 |
| | RAM | 1.01 | 1.01 | .00 | -.18 | 1.74 | 1.74 | -.80 | .00 | 11.26 |
| | BLEED | -2.87 | -1.20 | -.60 | 2.04 | -3.35 | -3.35 | 2.26 | .08 | .00 |
| | POWER | -2.09 | .55 | -.13 | 2.19 | -1.60 | -1.60 | 2.19 | -.01 | .00 |
| .30 | 1.06 | 1.96 | 17978 | 1242 | 1339 | 26200 | 20300 | .88 | 531 | 15.1 |
| | RAM | 1.01 | 1.01 | .00 | -.15 | 1.69 | 1.89 | -.97 | .00 | .00 |
| | BLEED | -2.86 | -1.18 | -.60 | 2.01 | -3.18 | -4.12 | 3.14 | .11 | .00 |
| | POWER | -2.01 | .53 | -.13 | 2.12 | -1.46 | -1.87 | 2.45 | -.00 | .00 |
| .60 | 1.28 | 2.20 | 19936 | 1251 | 1357 | 33300 | 19900 | 1.00 | 520 | 15.1 |
| | RAM | 1.00 | 1.00 | .00 | -.03 | 1.57 | 1.95 | -1.05 | .00 | .00 |
| | BLEED | -2.96 | -1.12 | -.59 | 1.84 | -2.88 | -4.91 | 4.09 | .15 | .00 |
| | POWER | -1.86 | .45 | -.16 | 1.79 | -1.11 | -1.88 | 2.39 | .05 | .00 |

CONFIDENTIAL

GEI 84219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|-----|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| .00 | NR = | 1.00 | 1.00 | 0 | 20500 | .785 | 1122 | 130.4 | 481 | 1765 |
| | P2 = | 14.70 | RAM | .00 | 1.87 | -.95 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = | 559 | BLEED | .00 | -2.13 | 1.09 | -.60 | -1.82 | .94 | .01 |
| | ERI = | 0 | POWER | .00 | -2.92 | 3.59 | .05 | .16 | .95 | -.00 |
| .30 | NR = | 1.00 | 1.06 | 5450 | 17200 | .96 | 1133 | 135.3 | 504 | 1765 |
| | P2 = | 15.64 | RAM | 1.00 | 2.11 | -1.23 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = | 569 | BLEED | .74 | -5.05 | 4.27 | -.61 | -1.84 | .74 | -.00 |
| | ERI = | 0 | POWER | .69 | -3.29 | 4.09 | .05 | .15 | .69 | -.00 |
| .60 | NR = | 1.00 | 1.28 | 12400 | 15700 | 1.14 | 1162 | 149.4 | 572 | 1765 |
| | P2 = | 18.75 | RAM | 1.00 | 1.91 | -1.00 | -.00 | 1.00 | 1.00 | .00 |
| | T2 = | 599 | BLEED | .46 | -5.37 | 4.55 | -.60 | -1.91 | .46 | -.00 |
| | ERI = | 0 | POWER | .31 | -2.77 | 3.46 | .04 | .14 | .31 | .01 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FN8 | SFC8 | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|-------|------|--------|
| .00 | 1.00 | 1.87 | 16104 | 1235 | 1264 | 22500 | 22500 | .715 | 500 | 15.1 |
| | RAM | 1.01 | 1.01 | .01 | -.20 | 1.75 | 1.75 | -.81 | -.00 | .00 |
| | BLEED | -2.95 | -1.07 | -.95 | 2.82 | -2.81 | -2.81 | 1.82 | .94 | -37.53 |
| | POWER | -2.57 | .70 | -.58 | 3.45 | -1.30 | -1.30 | 2.03 | .95 | -63.10 |
| .30 | 1.06 | 1.94 | 16593 | 1234 | 1267 | 24200 | 18800 | .88 | 496 | 6.6 |
| | RAM | 1.01 | 1.01 | .00 | -.16 | 1.70 | 1.90 | -.98 | .00 | .00 |
| | BLEED | -2.90 | -1.11 | -.86 | 2.53 | -2.77 | -3.78 | 2.84 | .74 | .00 |
| | POWER | -2.45 | .67 | -.45 | 3.12 | -1.27 | -1.84 | 2.56 | .69 | .00 |
| .60 | 1.28 | 2.15 | 17915 | 1232 | 1281 | 30200 | 17900 | 1.00 | 482 | 6.6 |
| | RAM | 1.00 | 1.00 | .00 | -.04 | 1.59 | 1.99 | -1.10 | -.00 | .00 |
| | BLEED | -2.79 | -1.18 | -.74 | 1.89 | -2.61 | -4.73 | 3.82 | .46 | .00 |
| | POWER | -2.04 | .59 | -.25 | 2.18 | -1.04 | -1.97 | 2.62 | .31 | .00 |

CONFIDENTIAL

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|------|-------|-------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 12200 | .770 | 1014 | 91.0 | 381 | 1511 |
| | P2 = 14.70 | RAM | .00 | 2.68 | -1.61 | .02 | 1.07 | 1.68 | .12 |
| | T2 = 559 | BLEED | .00 | -.33 | 3.04 | -.39 | -1.10 | .18 | 2.43 |
| | ERI = 0 | POWER | .00 | 1.37 | 5.44 | .43 | 1.62 | -.65 | 3.44 |
| .30 | NR = 1.00 | 1.06 | 4340 | 8830 | 1.07 | 1021 | 93.4 | 401 | 1502 |
| | P2 = 15.64 | RAM | 1.25 | 2.19 | -1.73 | -.02 | .92 | 1.25 | -.24 |
| | T2 = 569 | BLEED | .14 | -.71 | 3.42 | -.41 | -1.16 | .14 | 2.41 |
| | ERI = 0 | POWER | -.55 | 2.66 | 4.62 | .45 | 1.72 | -.55 | 3.69 |
| .60 | NR = 1.00 | 1.28 | 9830 | 6490 | 1.44 | 1042 | 99.7 | 455 | 1450 |
| | P2 = 18.75 | RAM | 1.10 | 2.40 | -2.16 | -.03 | .88 | 1.10 | -.30 |
| | T2 = 599 | BLEED | .07 | -1.50 | 4.56 | -.40 | -1.23 | .07 | 2.47 |
| | ERI = 0 | POWER | -.30 | 4.96 | 2.68 | .44 | 1.73 | -.30 | 3.67 |

CONFIDENTIAL

GEI 64219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FN8 | SFCB | W2K | BTANG |
|-----|-------|-------|------|------|------|-------|-------|-------|------|-------|
| .00 | 1.00 | 1.50 | 9359 | 1063 | 1249 | 13500 | 13500 | .695 | 395 | 15.1 |
| | RAM | .96 | 1.28 | -.20 | .00 | 2.68 | 2.68 | -1.61 | .71 | .00 |
| | BLEED | -.18 | 2.70 | 1.21 | .00 | -.33 | -.33 | 3.04 | .18 | .00 |
| | POWER | .41 | 6.85 | 2.73 | .00 | 1.37 | 1.37 | 5.44 | -.65 | .00 |
| .30 | 1.06 | 1.54 | 9446 | 1053 | 1249 | 14600 | 10200 | .92 | 395 | 15.1 |
| | RAM | .72 | .64 | -.29 | .00 | 1.88 | 2.14 | -1.68 | .26 | .00 |
| | BLEED | -.23 | 2.68 | 1.17 | .00 | -.43 | -.67 | 3.38 | .14 | .00 |
| | POWER | .70 | 7.35 | 2.83 | .00 | 1.60 | 2.51 | 4.77 | -.55 | .00 |
| .60 | 1.28 | 1.66 | 9321 | 1021 | 1249 | 18100 | 8240 | 1.13 | 383 | 15.1 |
| | RAM | .72 | .50 | -.26 | .00 | 1.62 | 2.24 | -1.96 | .11 | .00 |
| | BLEED | -.23 | 2.96 | 1.16 | .00 | -.56 | -1.30 | 4.34 | .07 | .00 |
| | POWER | .80 | 7.71 | 2.60 | .00 | 1.79 | 4.29 | 3.34 | -.30 | .00 |

GEI 84219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|------|--------|--------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 4820 | .90 | 905 | 57.8 | 288 | 1205 |
| | P2 = 14.70 | RAM | .00 | 2.87 | -3.54 | -.07 | .75 | 1.93 | -.65 |
| | T2 = 559 | BLEED | .00 | -.68 | 4.06 | -.42 | -1.21 | .05 | 2.47 |
| | ERI = 0 | POWER | .00 | 3.14 | 10.72 | .69 | 2.87 | -.41 | 5.91 |
| .30 | NR = 1.00 | 1.06 | 3330 | 2010 | 2.05 | 912 | 59.1 | 308 | 1166 |
| | P2 = 15.64 | RAM | 1.57 | 3.41 | -4.75 | -.08 | .68 | 1.57 | -.80 |
| | T2 = 569 | BLEED | .05 | -2.05 | 5.77 | -.44 | -1.29 | .05 | 2.46 |
| | ERI = 0 | POWER | -.28 | 8.71 | 5.52 | .69 | 2.86 | -.28 | 5.86 |
| .60 | NR = 1.00 | 1.28 | 7660 | -890 | -3.880 | 932 | 62.6 | 354 | 1053 |
| | P2 = 18.75 | RAM | 1.10 | -2.77 | 1.84 | -.06 | .70 | 1.10 | -.73 |
| | T2 = 599 | BLEED | .03 | 6.76 | -1.94 | -.40 | -1.34 | .03 | 2.42 |
| | ERI = 0 | POWER | -.07 | -21.89 | 40.75 | .53 | 2.64 | -.07 | 5.27 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FN8 | SFCB | WZK | BTANG |
|-----|-------|-------|-------|------|------|------|---------|---------|------|-------|
| .00 | 1.00 | 1.14 | 4330 | 870 | 1587 | 5330 | 5330 | .81 | 298 | 6.6 |
| | RAM | .36 | -.16 | -.81 | .00 | 2.87 | 2.87 | -3.54 | .98 | .00 |
| | BLEED | -.08 | 3.34 | 1.15 | .00 | -.68 | -.68 | 4.06 | .05 | .00 |
| | POWER | .40 | 13.97 | 3.97 | .00 | 3.14 | 3.14 | 10.72 | -.41 | .00 |
| .30 | 1.06 | 1.16 | 4130 | 846 | 1587 | 5920 | 2590 | 1.60 | 303 | 6.6 |
| | RAM | .32 | -.53 | -.74 | .00 | 2.27 | 3.16 | -4.38 | .60 | .00 |
| | BLEED | -.10 | 3.54 | 1.09 | .00 | -.74 | -1.76 | 5.44 | .05 | .00 |
| | POWER | .42 | 14.37 | 3.74 | .00 | 3.10 | 7.47 | 6.75 | -.28 | .00 |
| .60 | 1.28 | 1.19 | 3436 | 799 | 1587 | 7500 | -160 | -21.110 | 298 | 6.6 |
| | RAM | .27 | -.68 | -.47 | .00 | 1.60 | -22.21 | 10.20 | .10 | .00 |
| | BLEED | -.15 | 4.62 | 1.01 | .00 | -.85 | 40.59 | -22.35 | .03 | .00 |
| | POWER | .46 | 15.91 | 3.00 | .00 | 2.78 | -131.46 | 260.99 | -.07 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|------|--------|--------|------|-------|------|-------|
| .00 | NR = 1.00 | 1.00 | 0 | 1510 | 1.73 | 806 | 37.0 | 204 | 1161 |
| | P2 = 14.70 | RAM | .00 | 4.05 | -6.86 | -.16 | .46 | 2.83 | -1.28 |
| | T2 = 559 | BLEED | .00 | -.83 | 4.13 | -.48 | -1.25 | .03 | 2.51 |
| | ERI = 0 | POWER | .00 | 6.99 | 20.48 | 1.39 | 5.12 | -.24 | 11.73 |
| .30 | NR = 1.00 | 1.06 | 2370 | -710 | -3.205 | 808 | 37.2 | 220 | 1084 |
| | P2 = 15.64 | RAM | 1.52 | .50 | -2.72 | -.18 | .37 | 1.52 | -1.48 |
| | T2 = 569 | BLEED | .02 | 2.29 | 1.26 | -.52 | -1.36 | .02 | 2.45 |
| | ERI = 0 | POWER | -.08 | -16.18 | 47.93 | 1.41 | 5.21 | -.08 | 11.76 |
| .60 | NR = 1.00 | 1.28 | 5530 | -3390 | -.455 | 814 | 38.3 | 256 | 915 |
| | P2 = 18.75 | RAM | 1.11 | .87 | -3.76 | -.16 | .42 | 1.11 | -1.29 |
| | T2 = 599 | BLEED | .02 | .70 | 4.78 | -.53 | -1.48 | .02 | 2.29 |
| | ERI = 0 | POWER | -.05 | -3.90 | 47.15 | 1.44 | 5.46 | -.05 | 11.73 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 0 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|-------|------|-------|--------|--------|------|-------|
| .00 | 1.00 | 1.03 | 2603 | 821 | 2400 | 1660 | 1660 | 1.57 | 212 | 6.6 |
| | RAM | .11 | -1.42 | -1.57 | .00 | 4.04 | 4.04 | -6.84 | 1.93 | .00 |
| | BLEED | -.03 | 3.25 | 1.09 | .00 | -.83 | -.83 | 4.13 | .03 | .00 |
| | POWER | .18 | 27.67 | 7.30 | .00 | 6.97 | 6.97 | 20.50 | -.24 | .00 |
| .30 | 1.06 | 1.03 | 2285 | 782 | 2400 | 1830 | -540 | -4.235 | 216 | 6.6 |
| | RAM | .07 | -2.15 | -1.08 | .00 | 1.95 | .06 | -2.21 | .55 | .00 |
| | BLEED | -.05 | 3.60 | .98 | .00 | -.95 | 3.31 | .27 | .02 | .00 |
| | POWER | .20 | 30.65 | 6.79 | .00 | 6.81 | -23.49 | 56.00 | -.08 | .00 |
| .60 | 1.28 | 1.04 | 1539 | 722 | 2400 | 2350 | -3170 | -.485 | 215 | 6.6 |
| | RAM | .06 | -2.72 | -.69 | .00 | 1.48 | .84 | -3.71 | .11 | .00 |
| | BLEED | -.04 | 5.52 | .84 | .00 | -1.06 | .82 | 4.65 | .02 | .00 |
| | POWER | .21 | 42.99 | 5.81 | .00 | 6.05 | -4.57 | 47.88 | -.05 | .00 |

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CONFIDENTIAL

7. 5000 FLEET

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

5000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 39600 | 2.17 | 1081 | 130.4 | 470 | 1765 |
| | P2 = 12.23 | RAM | .00 | 1.67 | -.78 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 501 | BLEED | .00 | -3.35 | 1.71 | -.68 | -1.96 | .29 | -.01 |
| | ERI = 0 | POWER | .00 | -1.79 | 2.07 | .05 | .16 | .35 | -.02 |
| .30 | NR = 1.00 | 1.06 | 5050 | 36600 | 2.46 | 1091 | 136.5 | 494 | 1765 |
| | P2 = 13.02 | RAM | 1.00 | 1.79 | -.91 | .00 | 1.01 | 1.00 | -.00 |
| | T2 = 510 | BLEED | .19 | -3.40 | 1.76 | -.66 | -1.96 | .19 | -.00 |
| | ERI = 0 | POWER | .22 | -1.27 | 1.52 | .05 | .15 | .22 | -.00 |
| .60 | NR = 1.00 | 1.28 | 11600 | 41700 | 2.43 | 1124 | 155.8 | 567 | 1765 |
| | P2 = 15.60 | RAM | 1.00 | 1.76 | -.88 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 537 | BLEED | .06 | -4.16 | 1.32 | -.57 | -1.90 | .06 | -.00 |
| | ERI = 0 | POWER | .03 | -1.62 | .80 | .04 | .12 | .03 | -.00 |

CONFIDENTIAL

GEI 04210

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

5000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|--------|-------|------|-------|-------|------|-----|-------|
| .00 | 1.00 | 2.01 | 86136 | 3331 | 2297 | 40100 | 40100 | 2.15 | 555 | 6.6 |
| | RAM | 1.01 | .96 | -.01 | -.13 | 1.67 | 1.67 | -.78 | .00 | .00 |
| | BLEED | -3.22 | -1.73 | -.75 | 2.42 | -3.35 | -3.35 | 1.71 | .29 | .00 |
| | POWER | -2.95 | .25 | -.22 | 3.41 | -1.79 | -1.79 | 2.07 | .35 | .00 |
| .30 | 1.06 | 2.10 | 89832 | 3326 | 2311 | 43100 | 38100 | 2.36 | 553 | 6.6 |
| | RAM | 1.01 | .96 | -.01 | -.03 | 1.63 | 1.71 | -.82 | .00 | .00 |
| | BLEED | -3.14 | -1.73 | -.69 | 1.94 | -3.23 | -3.68 | 2.06 | .19 | .00 |
| | POWER | -2.71 | .24 | -.14 | 2.80 | -1.59 | -1.83 | 2.10 | .22 | .00 |
| .60 | 1.28 | 2.36 | 101492 | 3321 | 2353 | 54500 | 42900 | 2.36 | 543 | 6.6 |
| | RAM | 1.01 | .96 | -.01 | -.02 | 1.53 | 1.67 | -.77 | .00 | .00 |
| | BLEED | -3.04 | -2.92 | -1.21 | 1.36 | -3.29 | -4.20 | 1.36 | .06 | .00 |
| | POWER | -2.17 | -.84 | -.53 | 1.83 | -1.46 | -1.87 | 1.05 | .03 | .00 |

CONFIDENTIAL

GEI 84210

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

5000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 36700 | 1.82 | 1081 | 130.4 | 470 | 1765 |
| | P2 = 12.23 | RAM | .00 | 1.65 | -.75 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 501 | BLEED | .00 | -3.28 | 1.66 | -.68 | -1.96 | .29 | -.01 |
| | ERI = 0 | POWER | .00 | -1.66 | 1.97 | .05 | .16 | .35 | -.02 |
| .30 | NR = 1.00 | 1.06 | 5050 | 32400 | 2.14 | 1091 | 136.5 | 494 | 1765 |
| | P2 = 13.02 | RAM | 1.00 | 1.82 | -.94 | .00 | 1.01 | 1.00 | -.00 |
| | T2 = 510 | BLEED | .19 | -3.47 | 1.86 | -.66 | -1.96 | .19 | -.00 |
| | ERI = 0 | POWER | .22 | -1.17 | 1.45 | .05 | .15 | .22 | -.00 |
| .60 | NR = 1.00 | 1.28 | 11600 | 36600 | 2.15 | 1124 | 155.8 | 567 | 1765 |
| | P2 = 15.60 | RAM | 1.00 | 1.82 | -.94 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 537 | BLEED | .06 | -3.76 | 2.22 | -.57 | -1.90 | .06 | -.00 |
| | ERI = 0 | POWER | .03 | -1.11 | 1.34 | .04 | .12 | .03 | -.00 |

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GEI R4219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

5000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|-----|-------|
| .00 | 1.00 | 2.04 | 66679 | 2866 | 2074 | 37100 | 37100 | 1.80 | 555 | 6.6 |
| | RAM | 1.01 | .97 | -.01 | -.10 | 1.65 | 1.65 | -.75 | .00 | .00 |
| | BLEED | -3.13 | -1.70 | -.88 | 2.14 | -3.28 | -3.28 | 1.66 | .29 | .00 |
| | POWER | -2.84 | .28 | -.25 | 3.05 | -1.66 | -1.66 | 1.97 | .35 | .00 |
| .30 | 1.06 | 2.13 | 69537 | 2861 | 2086 | 39900 | 34800 | 2.00 | 553 | 6.6 |
| | RAM | 1.01 | .97 | -.01 | -.02 | 1.61 | 1.70 | -.80 | .00 | .00 |
| | BLEED | -3.06 | -1.70 | -.81 | 1.80 | -3.16 | -3.65 | 2.06 | .19 | .00 |
| | POWER | -2.60 | .26 | -.16 | 2.68 | -1.48 | -1.73 | 2.03 | .22 | .00 |
| .60 | 1.28 | 2.40 | 78535 | 2854 | 2122 | 50400 | 38700 | 2.03 | 543 | 6.6 |
| | RAM | 1.01 | .97 | -.01 | -.02 | 1.52 | 1.67 | -.76 | .00 | .00 |
| | BLEED | -3.04 | -1.67 | -.67 | 1.72 | -2.92 | -3.81 | 2.27 | .06 | .00 |
| | POWER | -2.15 | .21 | -.01 | 2.12 | -1.11 | -1.45 | 1.69 | .03 | .00 |

CONFIDENTIAL

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

5000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|-------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 32700 | 1.44 | 1081 | 130.4 | 470 | 1765 |
| | P2 = 12.23 | RAM | .00 | 1.63 | -.71 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 501 | BLEED | .00 | -3.15 | 1.58 | -.68 | -1.96 | .29 | -.01 |
| | ERI = 0 | POWER | .00 | -1.53 | 1.89 | .05 | .16 | .35 | -.02 |
| .30 | NR = 1.00 | 1.06 | 5050 | 27100 | 1.82 | 1091 | 136.5 | 494 | 1765 |
| | P2 = 13.02 | RAM | 1.00 | 1.70 | -.79 | .00 | 1.01 | 1.00 | -.00 |
| | T2 = 510 | BLEED | .19 | -3.66 | 2.12 | -.66 | -1.96 | .19 | -.00 |
| | ERI = 0 | POWER | .22 | -1.67 | 2.02 | .05 | .15 | .22 | -.00 |
| .60 | NR = 1.00 | 1.28 | 11600 | 29600 | 1.88 | 1124 | 155.8 | 567 | 1765 |
| | P2 = 15.60 | RAM | 1.00 | 1.92 | -1.04 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 537 | BLEED | .06 | -3.81 | 2.32 | -.57 | -1.90 | .06 | -.00 |
| | ERI = 0 | POWER | .03 | -.85 | 1.12 | .04 | .12 | .03 | -.00 |

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GEI 84210

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 5000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|-----|-------|
| .00 | 1.00 | 2.08 | 47223 | 2294 | 1803 | 33100 | 33100 | 1.43 | 555 | 6.6 |
| | RAM | 1.01 | .98 | -.01 | -.05 | 1.63 | 1.63 | -.71 | .00 | .00 |
| | BLEED | -3.06 | -1.65 | -.89 | 1.91 | -3.15 | -3.15 | 1.58 | .29 | .00 |
| | POWER | -2.72 | .33 | -.26 | 2.84 | -1.53 | -1.53 | 1.89 | .35 | .00 |
| .30 | 1.06 | 2.17 | 49242 | 2291 | 1813 | 35600 | 30500 | 1.61 | 553 | 6.6 |
| | RAM | 1.01 | .98 | -.00 | -.02 | 1.59 | 1.69 | -.78 | .00 | .00 |
| | BLEED | -3.00 | -1.66 | -.82 | 1.73 | -3.06 | -3.59 | 2.05 | .19 | .00 |
| | POWER | -2.50 | .32 | -.17 | 2.56 | -1.37 | -1.64 | 1.98 | .22 | .00 |
| .60 | 1.28 | 2.44 | 55579 | 2289 | 1843 | 44900 | 33300 | 1.67 | 543 | 6.6 |
| | RAM | 1.01 | .98 | -.01 | -.02 | 1.50 | 1.68 | -.76 | .00 | .00 |
| | BLEED | -2.97 | -1.62 | -.69 | 1.68 | -2.83 | -3.84 | 2.35 | .06 | .00 |
| | POWER | -2.06 | .25 | -.03 | 2.05 | -1.04 | -1.42 | 1.70 | .03 | .00 |

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GEI 64210

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

5000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|-------|-------|-------|-------|------|------|-------|------|------|
| .00 | NR = | 1.00 | 0 | 27500 | 1.01 | 1081 | 130.4 | 470 | 1765 |
| | P2 = | 12.23 | RAM | 1.62 | -.66 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = | 501 | BLEED | -3.02 | 1.55 | -.68 | -1.96 | .29 | -.01 |
| | ERI = | 0 | POWER | -1.40 | 1.89 | .05 | .16 | .35 | -.02 |
| .30 | NR = | 1.00 | 5050 | 21900 | 1.32 | 1091 | 136.5 | 494 | 1765 |
| | P2 = | 13.02 | RAM | 1.71 | -.77 | .00 | 1.01 | 1.00 | -.00 |
| | T2 = | 510 | BLEED | -3.66 | 2.24 | -.66 | -1.96 | .19 | -.00 |
| | ERI = | 0 | POWER | -1.61 | 2.08 | .05 | .15 | .22 | -.00 |
| .60 | NR = | 1.00 | 11600 | 22400 | 1.45 | 1124 | 155.8 | 567 | 1765 |
| | P2 = | 15.60 | RAM | 1.75 | -.81 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = | 537 | BLEED | -4.18 | 2.86 | -.57 | -1.90 | .06 | -.00 |
| | ERI = | 0 | POWER | -1.51 | 1.89 | .04 | .12 | .03 | -.00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

5000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|-----|-------|
| .00 | 1.00 | 2.12 | 27767 | 1624 | 1478 | 27800 | 27800 | 1.00 | 555 | 6.6 |
| | RAM | 1.01 | 1.01 | .01 | -.03 | 1.62 | 1.62 | -.66 | .00 | .00 |
| | BLEED | -2.99 | -1.54 | -.88 | 1.83 | -3.02 | -3.02 | 1.55 | .29 | .00 |
| | POWER | -2.61 | .46 | -.28 | 2.75 | -1.40 | -1.40 | 1.89 | .35 | .00 |
| .30 | 1.06 | 2.21 | 28947 | 1625 | 1486 | 29900 | 24800 | 1.17 | 553 | 6.6 |
| | RAM | 1.01 | 1.01 | .01 | -.03 | 1.58 | 1.70 | -.75 | .00 | .00 |
| | BLEED | -2.93 | -1.54 | -.81 | 1.71 | -2.94 | -3.57 | 2.15 | .19 | .00 |
| | POWER | -2.40 | .44 | -.20 | 2.46 | -1.27 | -1.58 | 2.04 | .22 | .00 |
| .60 | 1.28 | 2.49 | 32622 | 1630 | 1511 | 37700 | 26100 | 1.25 | 543 | 6.6 |
| | RAM | 1.01 | 1.01 | .01 | -.03 | 1.49 | 1.71 | -.77 | .00 | .00 |
| | BLEED | -2.90 | -1.51 | -.69 | 1.64 | -2.74 | -3.98 | 2.63 | .06 | .00 |
| | POWER | -1.98 | .35 | -.07 | 1.94 | -.99 | -1.44 | 1.82 | .03 | .00 |

CONFIDENTIAL

GEI 84210

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 5.0

JANUARY 1964

STANDARD DAY PRESSURE ALTITUDE 5000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC | |
|-----|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| .00 | NR = | 1.00 | 1.00 | 0 | 23800 | .705 | 1081 | 130.4 | 470 | 1765 |
| | P2 = | 12.23 | RAM | .00 | 1.60 | -.64 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = | 501 | BLEED | .00 | -2.88 | 1.70 | -.68 | -1.96 | .29 | -.01 |
| | ERI = | 0 | POWER | .00 | -1.34 | 2.02 | .05 | .16 | .35 | -.02 |
| .30 | NR = | 1.00 | 1.06 | 5050 | 18900 | .92 | 1091 | 136.5 | 494 | 1765 |
| | P2 = | 13.02 | RAM | 1.00 | 1.62 | -.66 | .00 | 1.01 | 1.00 | -.00 |
| | T2 = | 510 | BLEED | .19 | -3.87 | 2.76 | -.66 | -1.96 | .19 | -.00 |
| | ERI = | 0 | POWER | .22 | -2.20 | 2.88 | .05 | .15 | .22 | -.00 |
| .60 | NR = | 1.00 | 1.28 | 11600 | 18600 | 1.05 | 1124 | 155.8 | 567 | 1765 |
| | P2 = | 15.60 | RAM | 1.00 | 2.06 | -1.17 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = | 537 | BLEED | .06 | -4.39 | 3.37 | -.57 | -1.90 | .06 | -.00 |
| | ERI = | 0 | POWER | .03 | -1.27 | 1.80 | .04 | .12 | .03 | -.00 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

5000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|-----|-------|
| .00 | 1.00 | 2.15 | 16790 | 1225 | 1267 | 24000 | 24000 | .700 | 555 | 6.6 |
| | RAM | 1.01 | 1.01 | .00 | -.05 | 1.60 | 1.60 | -.64 | .00 | .00 |
| | BLEED | -2.95 | -1.26 | -.75 | 1.90 | -2.88 | -2.88 | 1.70 | .29 | .00 |
| | POWER | -2.55 | .66 | -.30 | 2.70 | -1.34 | -1.34 | 2.02 | .35 | .00 |
| .30 | 1.06 | 2.24 | 17458 | 1226 | 1273 | 25900 | 20800 | .84 | 553 | 6.6 |
| | RAM | 1.01 | 1.01 | .00 | -.05 | 1.56 | 1.70 | -.76 | .00 | .00 |
| | BLEED | -2.89 | -1.27 | -.70 | 1.78 | -2.81 | -3.54 | 2.40 | .19 | .00 |
| | POWER | -2.34 | .62 | -.23 | 2.42 | -1.22 | -1.57 | 2.23 | .22 | .00 |
| .60 | 1.28 | 2.52 | 19512 | 1233 | 1294 | 32700 | 21000 | .93 | 543 | 15.1 |
| | RAM | 1.01 | 1.01 | .00 | -.05 | 1.48 | 1.74 | -.81 | .00 | .00 |
| | BLEED | -2.87 | -1.24 | -.61 | 1.70 | -2.64 | -4.13 | 3.08 | .06 | .00 |
| | POWER | -1.93 | .51 | -.13 | 1.90 | -.97 | -1.52 | 2.06 | .03 | .00 |

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|-------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 34600 | 2.30 | 1129 | 121.0 | 441 | 1765 |
| | P2 = 12.23 | RAM | .00 | 1.85 | -.68 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 541 | BLEED | .00 | -5.04 | -1.67 | -.55 | -1.89 | .05 | .00 |
| | ERI = 0 | POWER | .00 | -4.02 | -2.86 | .05 | .15 | .01 | -.00 |
| .30 | NR = 1.00 | 1.06 | 4920 | 31600 | 2.63 | 1142 | 126.7 | 462 | 1765 |
| | P2 = 13.02 | RAM | 1.00 | 2.08 | -.87 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 551 | BLEED | .06 | -6.17 | -.81 | -.53 | -1.86 | .06 | .01 |
| | ERI = 0 | POWER | -.01 | -4.91 | -2.39 | .03 | .14 | -.01 | .00 |
| .60 | NR = 1.00 | 1.28 | 11200 | 35200 | 2.58 | 1178 | 144.0 | 528 | 1765 |
| | P2 = 15.60 | RAM | 1.00 | 1.90 | -.98 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 580 | BLEED | .13 | -6.16 | .05 | -.53 | -1.83 | .13 | -.01 |
| | ERI = 1 | POWER | .01 | -4.29 | -1.33 | .03 | .13 | .01 | .01 |

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CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|-------|------|-------|-------|-------|------|-------|
| .00 | 1.00 | 1.82 | 79762 | 3329 | 2397 | 35000 | 35000 | 2.28 | 541 | 6.6 |
| | RAM | .99 | 1.23 | .14 | -.03 | 1.85 | 1.85 | -.68 | .00 | .00 |
| | BLEED | -2.78 | -6.58 | -3.31 | .10 | -5.04 | -5.04 | -1.67 | .05 | .00 |
| | POWER | -2.38 | -6.79 | -3.66 | .25 | -4.02 | -4.02 | -2.86 | .01 | .00 |
| .30 | 1.06 | 1.90 | 83180 | 3328 | 2402 | 37800 | 32900 | 2.53 | 538 | 6.6 |
| | RAM | .99 | 1.30 | .17 | .01 | 1.81 | 1.94 | -.70 | .00 | .00 |
| | BLEED | -2.73 | -6.91 | -3.49 | -.11 | -4.97 | -5.72 | -1.30 | .06 | .00 |
| | POWER | -2.18 | -7.19 | -3.90 | -.06 | -3.95 | -4.54 | -2.76 | -.01 | .00 |
| .60 | 1.28 | 2.13 | 90899 | 3278 | 2402 | 47600 | 36400 | 2.50 | 526 | 6.6 |
| | RAM | 1.01 | 1.02 | .02 | -.00 | 1.63 | 1.82 | -.88 | .00 | .00 |
| | BLEED | -2.81 | -6.12 | -3.23 | -.03 | -4.47 | -5.89 | -.25 | .13 | .00 |
| | POWER | -1.96 | -5.56 | -3.26 | -.06 | -3.12 | -4.08 | -1.54 | .01 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|-------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 32100 | 1.92 | 1129 | 121.0 | 441 | 1765 |
| | P2 = 12.23 | RAM | .00 | 1.76 | -.87 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 541 | BLEED | .00 | -3.67 | 2.15 | -.55 | -1.89 | .05 | .00 |
| | ERI = 0 | POWER | .00 | -2.10 | 2.41 | .05 | .15 | .01 | -.00 |
| .30 | NR = 1.00 | 1.06 | 4920 | 27900 | 2.30 | 1142 | 126.7 | 462 | 1765 |
| | P2 = 13.02 | RAM | 1.00 | 1.89 | -1.03 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 551 | BLEED | .06 | -3.84 | 2.36 | -.53 | -1.86 | .06 | .01 |
| | ERI = 0 | POWER | -.01 | -1.57 | 1.85 | .03 | .14 | -.01 | .00 |
| .60 | NR = 1.00 | 1.28 | 11200 | 31100 | 2.32 | 1178 | 144.0 | 528 | 1765 |
| | P2 = 15.60 | RAM | 1.00 | 1.93 | -1.07 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 580 | BLEED | .13 | -4.03 | 2.60 | -.53 | -1.83 | .13 | -.01 |
| | ERI = 0 | POWER | .01 | -1.38 | 1.63 | .03 | .13 | .01 | .01 |

CONFIDENTIAL

GET 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|------|-------|
| .00 | 1.00 | 1.86 | 61605 | 2863 | 2157 | 32500 | 32500 | 1.90 | 541 | 6.6 |
| | RAM | 1.01 | .96 | -.01 | -.13 | 1.76 | 1.76 | -.87 | .00 | .00 |
| | BLEED | -3.05 | -1.64 | -.70 | 2.07 | -3.67 | -3.67 | 2.15 | .05 | .00 |
| | POWER | -2.74 | .27 | -.06 | 2.91 | -2.10 | -2.10 | 2.41 | .01 | .00 |
| .30 | 1.06 | 1.93 | 64238 | 2862 | 2161 | 35000 | 30100 | 2.13 | 538 | 6.6 |
| | RAM | 1.01 | .96 | -.01 | -.14 | 1.71 | 1.83 | -.95 | .00 | .00 |
| | BLEED | -3.03 | -1.62 | -.66 | 2.08 | -3.50 | -4.08 | 2.62 | .06 | .00 |
| | POWER | -2.59 | .25 | -.03 | 2.82 | -1.89 | -2.20 | 2.50 | -.01 | .00 |
| .60 | 1.28 | 2.17 | 72190 | 2857 | 2186 | 44400 | 33100 | 2.18 | 526 | 6.6 |
| | RAM | 1.01 | .97 | -.01 | -.02 | 1.60 | 1.80 | -.91 | .00 | .00 |
| | BLEED | -3.09 | -1.59 | -.69 | 1.83 | -3.12 | -4.22 | 2.81 | .13 | .00 |
| | POWER | -2.30 | .22 | -.04 | 2.25 | -1.39 | -1.87 | 2.14 | .01 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|-------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 28800 | 1.51 | 1129 | 121.0 | 441 | 1765 |
| | P2 = 12.23 | RAM | .00 | 1.73 | -.83 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 541 | BLEED | .00 | -3.53 | 2.04 | -.55 | -1.89 | .05 | .00 |
| | ERI = 0 | POWER | .00 | -1.98 | 2.34 | .05 | .15 | .01 | -.00 |
| .30 | NR = 1.00 | 1.06 | 4920 | 23400 | 1.93 | 1142 | 126.7 | 462 | 1765 |
| | P2 = 13.02 | RAM | 1.00 | 1.83 | -.94 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 551 | BLEED | .06 | -4.03 | 2.62 | -.53 | -1.86 | .06 | .01 |
| | ERI = 0 | POWER | -.01 | -2.12 | 2.47 | .03 | .14 | -.01 | .00 |
| .60 | NR = 1.00 | 1.28 | 11200 | 24900 | 2.04 | 1178 | 144.0 | 528 | 1765 |
| | P2 = 15.60 | RAM | 1.00 | 2.06 | -1.20 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 580 | BLEED | .13 | -4.09 | 2.70 | -.53 | -1.83 | .13 | -.01 |
| | ERI = 0 | POWER | .01 | -1.15 | 1.44 | .03 | .13 | .01 | .01 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|------|-------|
| .00 | 1.00 | 1.89 | 43448 | 2293 | 1869 | 29100 | 29100 | 1.49 | 541 | 6.6 |
| | RAM | 1.01 | .98 | -.00 | -.13 | 1.73 | 1.73 | -.83 | .00 | .00 |
| | BLEED | -2.98 | -1.60 | -.71 | 1.97 | -3.53 | -3.53 | 2.04 | .05 | .00 |
| | POWER | -2.63 | .32 | -.07 | 2.84 | -1.98 | -1.98 | 2.34 | .01 | .00 |
| .30 | 1.06 | 1.97 | 45295 | 2294 | 1873 | 31400 | 26400 | 1.71 | 538 | 6.6 |
| | RAM | 1.01 | .98 | -.01 | -.14 | 1.69 | 1.82 | -.92 | .00 | .00 |
| | BLEED | -2.96 | -1.57 | -.68 | 2.00 | -3.36 | -4.00 | 2.58 | .06 | .00 |
| | POWER | -2.49 | .30 | -.04 | 2.69 | -1.76 | -2.08 | 2.43 | -.01 | .00 |
| .60 | 1.28 | 2.21 | 50857 | 2294 | 1899 | 39700 | 28400 | 1.79 | 526 | 6.6 |
| | RAM | 1.01 | .98 | -.00 | -.02 | 1.58 | 1.81 | -.91 | .00 | .00 |
| | BLEED | -3.01 | -1.55 | -.70 | 1.77 | -3.00 | -4.24 | 2.88 | .13 | .00 |
| | POWER | -2.21 | .27 | -.05 | 2.15 | -1.30 | -1.82 | 2.13 | .01 | .00 |

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CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 24300 | 1.04 | 1129 | 121.0 | 441 | 1765 |
| | P2 = 12.23 | RAM | .00 | 1.71 | -.77 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 541 | BLEED | .00 | -3.37 | 1.97 | -.55 | -1.89 | .05 | .00 |
| | ERI = 0 | POWER | .00 | -1.84 | 2.33 | .05 | .15 | .01 | -.00 |
| .30 | NR = 1.00 | 1.06 | 4920 | 19000 | 1.39 | 1142 | 126.7 | 462 | 1765 |
| | P2 = 13.02 | RAM | 1.00 | 1.84 | -.92 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 551 | BLEED | .06 | -4.08 | 2.78 | -.53 | -1.86 | .06 | .01 |
| | ERI = 0 | POWER | -.01 | -2.06 | 2.53 | .03 | .14 | -.01 | .00 |
| .60 | NR = 1.00 | 1.28 | 11200 | 19000 | 1.56 | 1178 | 144.0 | 528 | 1765 |
| | P2 = 15.60 | RAM | 1.00 | 1.90 | -.98 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 580 | BLEED | .13 | -4.67 | 3.49 | -.53 | -1.83 | .13 | -.01 |
| | ERI = 0 | POWER | .01 | -1.94 | 2.37 | .03 | .13 | .01 | .01 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|------|-------|
| .00 | 1.00 | 1.93 | 25291 | 1627 | 1531 | 24500 | 24500 | 1.03 | 541 | 6.6 |
| | RAM | 1.01 | 1.01 | .01 | -.14 | 1.71 | 1.71 | -.77 | .00 | .00 |
| | BLEED | -2.91 | -1.50 | -.70 | 1.93 | -3.37 | -3.37 | 1.97 | .05 | .00 |
| | POWER | -2.53 | .45 | -.11 | 2.71 | -1.84 | -1.84 | 2.33 | .01 | .00 |
| .30 | 1.06 | 2.01 | 26352 | 1630 | 1534 | 26400 | 21500 | 1.23 | 538 | 6.6 |
| | RAM | 1.01 | 1.01 | .01 | -.13 | 1.67 | 1.82 | -.89 | .00 | .00 |
| | BLEED | -2.89 | -1.47 | -.68 | 1.92 | -3.23 | -3.98 | 2.67 | .06 | .00 |
| | POWER | -2.39 | .42 | -.09 | 2.49 | -1.64 | -2.01 | 2.48 | -.01 | .00 |
| .60 | 1.28 | 2.26 | 29524 | 1637 | 1558 | 33400 | 22200 | 1.33 | 526 | 6.6 |
| | RAM | 1.01 | 1.01 | .01 | -.02 | 1.57 | 1.85 | -.93 | .00 | .00 |
| | BLEED | -2.93 | -1.43 | -.69 | 1.71 | -2.88 | -4.41 | 3.19 | .13 | .00 |
| | POWER | -2.11 | .38 | -.09 | 2.03 | -1.21 | -1.84 | 2.26 | .01 | .00 |

CONFIDENTIAL

GEI 04210

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|-----|------------|-------|-------|-------|------|------|-------|------|------|
| .00 | NR = 1.00 | 1.00 | 0 | 21100 | .715 | 1129 | 121.0 | 441 | 1765 |
| | P2 = 12.23 | RAM | .00 | 1.69 | -.74 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 541 | BLEED | .00 | -3.25 | 2.11 | -.55 | -1.89 | .05 | .00 |
| | ERI = 0 | POWER | .00 | -1.78 | 2.47 | .05 | .15 | .01 | -.00 |
| .30 | NR = 1.00 | 1.06 | 4920 | 16400 | .96 | 1142 | 126.7 | 462 | 1765 |
| | P2 = 13.02 | RAM | 1.00 | 1.80 | -.87 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 551 | BLEED | .06 | -3.56 | 2.50 | -.53 | -1.86 | .06 | .01 |
| | ERI = 0 | POWER | -.01 | -1.47 | 2.12 | .03 | .14 | -.01 | .00 |
| .60 | NR = 1.00 | 1.28 | 11200 | 15500 | 1.12 | 1178 | 144.0 | 528 | 1765 |
| | P2 = 15.60 | RAM | 1.00 | 1.82 | -.89 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 580 | BLEED | .13 | -3.80 | 2.81 | -.53 | -1.83 | .13 | -.01 |
| | ERI = 0 | POWER | .01 | -.84 | 1.41 | .03 | .13 | .01 | .01 |

CONFIDENTIAL

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 5000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|-----|-------|-------|-------|------|------|-------|-------|------|------|--------|
| .00 | 1.00 | 1.96 | 15106 | 1234 | 1314 | 21300 | 21300 | .710 | 541 | 6.6 |
| | RAM | 1.01 | 1.01 | .00 | -.15 | 1.69 | 1.69 | -.74 | .00 | .00 |
| | BLEED | -2.88 | -1.24 | -.61 | 1.98 | -3.25 | -3.25 | 2.11 | .05 | 85.86 |
| | POWER | -2.46 | .65 | -.16 | 2.63 | -1.78 | -1.78 | 2.47 | .01 | 150.20 |
| .30 | 1.06 | 2.04 | 15688 | 1237 | 1319 | 23000 | 18100 | .87 | 538 | 6.6 |
| | RAM | 1.01 | 1.01 | .00 | -.12 | 1.65 | 1.83 | -.90 | .00 | .00 |
| | BLEED | -2.86 | -1.20 | -.59 | 1.86 | -3.11 | -3.97 | 2.94 | .06 | 85.86 |
| | POWER | -2.33 | .62 | -.15 | 2.23 | -1.59 | -2.02 | 2.69 | -.01 | 142.58 |
| .60 | 1.28 | 2.29 | 17403 | 1245 | 1338 | 29100 | 17800 | .98 | 526 | 15.1 |
| | RAM | 1.01 | 1.01 | .00 | -.04 | 1.55 | 1.89 | -.97 | .00 | .00 |
| | BLEED | -2.89 | -1.15 | -.60 | 1.76 | -2.77 | -4.60 | 3.70 | .13 | .00 |
| | POWER | -2.06 | .56 | -.14 | 1.98 | -1.18 | -1.94 | 2.55 | .01 | .00 |

CONFIDENTIAL

8. 15000 FLEET

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CONFIDENTIAL

GEI R4219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 3450 | 26900 | 2.40 | 1035 | 96.2 | 349 | 1719 |
| | P2 = 8.83 | RAM | 1.00 | 1.74 | -.88 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 474 | BLEED | .61 | -3.14 | 1.53 | -.67 | -1.95 | .61 | .00 |
| | ERI = 101 | POWER | .96 | -1.43 | 1.81 | .07 | .25 | .96 | .01 |
| .40 | NR = 1.00 | 1.12 | 4790 | 28600 | 2.36 | 1048 | 100.8 | 364 | 1738 |
| | P2 = 9.26 | RAM | 1.00 | 1.73 | -.86 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 480 | BLEED | .55 | -3.22 | 1.62 | -.67 | -1.95 | .55 | .01 |
| | ERI = 101 | POWER | .83 | -1.42 | 1.81 | .07 | .24 | .83 | .02 |
| .50 | NR = 1.00 | 1.19 | 6320 | 30600 | 2.34 | 1065 | 107.0 | 384 | 1763 |
| | P2 = 9.84 | RAM | 1.00 | 1.69 | -.81 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 489 | BLEED | .50 | -3.20 | 1.58 | -.67 | -1.95 | .50 | .01 |
| | ERI = 101 | POWER | .71 | -1.24 | 1.59 | .06 | .22 | .71 | .02 |
| .60 | NR = 1.00 | 1.28 | 8050 | 32200 | 2.34 | 1079 | 113.2 | 408 | 1765 |
| | P2 = 10.58 | RAM | 1.00 | 1.65 | -.76 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 499 | BLEED | .30 | -3.24 | 1.60 | -.68 | -1.96 | .30 | -.01 |
| | ERI = 0 | POWER | .42 | -1.32 | 1.63 | .06 | .19 | .42 | -.02 |
| .90 | NR = 1.00 | 1.69 | 15000 | 39600 | 2.30 | 1129 | 139.1 | 507 | 1765 |
| | P2 = 14.03 | RAM | 1.00 | 1.57 | -.66 | .00 | 1.01 | 1.00 | -.00 |
| | T2 = 541 | BLEED | .06 | -4.11 | .77 | -.55 | -1.89 | .06 | .00 |
| | ERI = 0 | POWER | .01 | -1.91 | .30 | .04 | .13 | .01 | -.00 |
| 1.15 | NR = .994 | 2.26 | 23700 | 46800 | 2.20 | 1190 | 170.8 | 627 | 1765 |
| | P2 = 18.76 | RAM | 1.01 | 1.21 | -.85 | -.00 | 1.00 | 1.01 | -.00 |
| | T2 = 589 | BLEED | .15 | -4.69 | .54 | -.53 | -1.82 | .15 | -.01 |
| | ERI = 0 | POWER | .03 | -2.11 | -.07 | .02 | .10 | .03 | .00 |

CONFIDENTIAL

GEI 04219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|--------|-------|------|-------|-------|------|-----|-------|
| .30 | 1.06 | 2.21 | 64543 | 3295 | 2276 | 31400 | 28000 | 2.31 | 556 | 6.6 |
| | RAM | 1.02 | .94 | -.00 | -.02 | 1.58 | 1.65 | -.78 | .00 | .00 |
| | BLEED | -3.41 | -1.68 | -.98 | 2.44 | -3.00 | -3.45 | 1.87 | .61 | .00 |
| | POWER | -4.19 | .37 | -.63 | 4.70 | -1.90 | -2.25 | 2.66 | .96 | .00 |
| .40 | 1.12 | 2.32 | 67532 | 3313 | 2276 | 34400 | 29600 | 2.28 | 556 | 6.6 |
| | RAM | 1.01 | .94 | -.00 | -.02 | 1.55 | 1.63 | -.75 | .00 | .00 |
| | BLEED | -3.39 | -1.68 | -.93 | 2.39 | -2.90 | -3.46 | 1.88 | .55 | .00 |
| | POWER | -3.98 | .36 | -.51 | 4.44 | -1.70 | -2.10 | 2.50 | .83 | .00 |
| .50 | 1.19 | 2.45 | 71534 | 3338 | 2273 | 37900 | 31600 | 2.26 | 557 | 6.6 |
| | RAM | 1.01 | .95 | -.00 | -.03 | 1.51 | 1.61 | -.72 | .00 | .00 |
| | BLEED | -3.36 | -1.69 | -.87 | 2.34 | -2.77 | -3.42 | 1.82 | .50 | .00 |
| | POWER | -3.68 | .34 | -.44 | 4.08 | -1.46 | -1.89 | 2.25 | .71 | .00 |
| .60 | 1.28 | 2.57 | 75322 | 3334 | 2296 | 41200 | 33100 | 2.27 | 556 | 6.6 |
| | RAM | 1.01 | .95 | -.00 | -.02 | 1.48 | 1.60 | -.70 | .00 | .00 |
| | BLEED | -3.23 | -1.71 | -.78 | 2.09 | -2.73 | -3.47 | 1.86 | .30 | .00 |
| | POWER | -3.41 | .29 | -.29 | 3.61 | -1.41 | -1.85 | 2.17 | .42 | .00 |
| .90 | 1.69 | 3.09 | 91013 | 3324 | 2360 | 55200 | 40200 | 2.26 | 542 | 6.6 |
| | RAM | 1.01 | .96 | -.01 | -.02 | 1.39 | 1.54 | -.62 | .00 | .00 |
| | BLEED | -3.01 | -3.39 | -1.46 | 1.16 | -3.01 | -4.15 | .81 | .06 | .00 |
| | POWER | -2.37 | -1.61 | -.94 | 1.75 | -1.50 | -2.06 | .46 | .01 | .00 |
| 1.15 | 2.26 | 3.72 | 102982 | 3205 | 2370 | 71300 | 47600 | 2.16 | 523 | 6.6 |
| | RAM | 1.05 | .40 | -.36 | -.26 | 1.15 | 1.22 | -.87 | .00 | .00 |
| | BLEED | -2.99 | -4.19 | -2.13 | .85 | -3.09 | -4.70 | .55 | .15 | .00 |
| | POWER | -1.86 | -2.18 | -1.37 | 1.03 | -1.40 | -2.11 | -.07 | .03 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 3450 | 23900 | 2.09 | 1035 | 96.2 | 349 | 1719 |
| | P2 = 8.83 | RAM | 1.00 | 1.78 | -.91 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 474 | BLEED | .61 | -3.19 | 1.61 | -.67 | -1.95 | .61 | .00 |
| | ERI = 101 | POWER | .96 | -1.26 | 1.69 | .07 | .25 | .96 | .01 |
| .40 | NR = 1.00 | 1.12 | 4790 | 25300 | 2.06 | 1048 | 100.8 | 364 | 1738 |
| | P2 = 9.26 | RAM | 1.00 | 1.77 | -.90 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 480 | BLEED | .55 | -3.29 | 1.71 | -.67 | -1.95 | .55 | .01 |
| | ERI = 101 | POWER | .83 | -1.26 | 1.68 | .07 | .24 | .83 | .02 |
| .50 | NR = 1.00 | 1.19 | 6320 | 27000 | 2.05 | 1065 | 107.0 | 384 | 1763 |
| | P2 = 9.84 | RAM | 1.00 | 1.72 | -.84 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 489 | BLEED | .50 | -3.22 | 1.63 | -.67 | -1.95 | .50 | .01 |
| | ERI = 101 | POWER | .71 | -1.03 | 1.42 | .06 | .22 | .71 | .02 |
| .60 | NR = 1.00 | 1.28 | 8050 | 28400 | 2.05 | 1079 | 113.2 | 408 | 1765 |
| | P2 = 10.58 | RAM | 1.00 | 1.70 | -.81 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 499 | BLEED | .30 | -3.34 | 1.74 | -.68 | -1.96 | .30 | -.01 |
| | ERI = 0 | POWER | .42 | -1.18 | 1.51 | .06 | .19 | .42 | -.02 |
| .90 | NR = 1.00 | 1.69 | 15000 | 34700 | 2.03 | 1129 | 139.1 | 507 | 1765 |
| | P2 = 14.03 | RAM | 1.00 | 1.62 | -.71 | .00 | 1.01 | 1.00 | -.00 |
| | T2 = 541 | BLEED | .06 | -3.48 | 1.93 | -.55 | -1.89 | .06 | .00 |
| | ERI = 0 | POWER | .01 | -1.04 | 1.29 | .04 | .13 | .01 | -.00 |
| 1.15 | NR = .994 | 2.26 | 23700 | 42500 | 2.00 | 1190 | 170.8 | 627 | 1765 |
| | P2 = 18.76 | RAM | 1.01 | 1.53 | -.60 | -.00 | 1.00 | 1.01 | -.00 |
| | T2 = 589 | BLEED | .15 | -3.58 | 2.10 | -.53 | -1.82 | .15 | -.01 |
| | ERI = 0 | POWER | .03 | -.94 | 1.14 | .02 | .10 | .03 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| M0 | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|-----|-------|
| .30 | 1.06 | 2.25 | 49819 | 2834 | 2055 | 29000 | 25600 | 1.95 | 556 | 6.6 |
| | RAM | 1.02 | .95 | -.01 | -.03 | 1.57 | 1.64 | -.75 | .00 | .00 |
| | BLEED | -3.31 | -1.66 | -1.13 | 2.27 | -2.95 | -3.43 | 1.87 | .61 | .00 |
| | POWER | -4.02 | .41 | -.71 | 4.48 | -1.76 | -2.12 | 2.58 | .96 | .00 |
| .40 | 1.12 | 2.35 | 52168 | 2852 | 2056 | 31800 | 27000 | 1.94 | 556 | 6.6 |
| | RAM | 1.01 | .95 | -.01 | -.02 | 1.53 | 1.62 | -.73 | .00 | .00 |
| | BLEED | -3.29 | -1.66 | -1.07 | 2.23 | -2.86 | -3.46 | 1.90 | .55 | .00 |
| | POWER | -3.82 | .41 | -.58 | 4.24 | -1.58 | -2.00 | 2.44 | .83 | .00 |
| .50 | 1.19 | 2.49 | 55316 | 2875 | 2053 | 35000 | 28700 | 1.93 | 557 | 6.6 |
| | RAM | 1.01 | .96 | -.01 | -.03 | 1.49 | 1.60 | -.70 | .00 | .00 |
| | BLEED | -3.26 | -1.67 | -1.03 | 2.20 | -2.74 | -3.45 | 1.88 | .50 | .00 |
| | POWER | -3.54 | .38 | -.50 | 3.90 | -1.36 | -1.81 | 2.22 | .71 | .00 |
| .60 | 1.28 | 2.62 | 58251 | 2871 | 2073 | 38000 | 29900 | 1.95 | 556 | 6.6 |
| | RAM | 1.01 | .96 | -.01 | -.03 | 1.47 | 1.59 | -.69 | .00 | .00 |
| | BLEED | -3.15 | -1.69 | -.91 | 1.95 | -2.70 | -3.51 | 1.93 | .30 | .00 |
| | POWER | -3.28 | .32 | -.32 | 3.46 | -1.32 | -1.78 | 2.14 | .42 | .00 |
| .90 | 1.69 | 3.15 | 70364 | 2858 | 2128 | 50800 | 35800 | 1.96 | 542 | 6.6 |
| | RAM | 1.01 | .97 | -.01 | -.02 | 1.38 | 1.54 | -.62 | .00 | .00 |
| | BLEED | -3.04 | -1.65 | -.68 | 1.71 | -2.50 | -3.57 | 2.03 | .06 | .00 |
| | POWER | -2.39 | .24 | -.03 | 2.33 | -.93 | -1.32 | 1.58 | .01 | .00 |
| 1.15 | 2.26 | 3.77 | 84904 | 2850 | 2188 | 66900 | 43200 | 1.97 | 523 | 6.6 |
| | RAM | 1.01 | .97 | -.02 | -.02 | 1.32 | 1.49 | -.56 | .00 | .00 |
| | BLEED | -3.12 | -1.59 | -.66 | 1.89 | -2.25 | -3.56 | 2.08 | .15 | .00 |
| | POWER | -1.97 | .19 | -.02 | 1.95 | -.63 | -.99 | 1.19 | .03 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 3450 | 19800 | 1.77 | 1035 | 96.2 | 349 | 1719 |
| | P2 = 8.83 | RAM | 1.00 | 1.65 | -.74 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 474 | BLEED | .61 | -3.42 | 1.90 | -.67 | -1.95 | .61 | .00 |
| | ERI = 101 | POWER | .96 | -2.02 | 2.55 | .07 | .25 | .96 | .01 |
| .40 | NR = 1.00 | 1.12 | 4790 | 20700 | 1.78 | 1048 | 100.8 | 364 | 1738 |
| | P2 = 9.26 | RAM | 1.00 | 1.64 | -.73 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 480 | BLEED | .55 | -3.33 | 1.81 | -.67 | -1.95 | .55 | .01 |
| | ERI = 101 | POWER | .83 | -1.04 | 1.53 | .07 | .24 | .83 | .02 |
| .50 | NR = 1.00 | 1.19 | 6320 | 22000 | 1.78 | 1065 | 107.0 | 384 | 1763 |
| | P2 = 9.84 | RAM | 1.00 | 1.79 | -.90 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 489 | BLEED | .50 | -3.11 | 1.57 | -.67 | -1.95 | .50 | .01 |
| | ERI = 101 | POWER | .71 | -.61 | 1.06 | .06 | .22 | .71 | .02 |
| .60 | NR = 1.00 | 1.28 | 8050 | 23000 | 1.79 | 1079 | 113.2 | 408 | 1765 |
| | P2 = 10.58 | RAM | 1.00 | 1.80 | -.91 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 499 | BLEED | .30 | -3.40 | 1.85 | -.68 | -1.96 | .30 | -.01 |
| | ERI = 0 | POWER | .42 | -.91 | 1.31 | .06 | .19 | .42 | -.02 |
| .90 | NR = 1.00 | 1.69 | 15000 | 28000 | 1.77 | 1129 | 139.1 | 507 | 1765 |
| | P2 = 14.03 | RAM | 1.00 | 1.73 | -.82 | .00 | 1.01 | 1.00 | -.00 |
| | T2 = 541 | BLEED | .06 | -3.65 | 2.16 | -.55 | -1.89 | .06 | .00 |
| | ERI = 0 | POWER | .01 | -.90 | 1.19 | .04 | .13 | .01 | -.00 |
| 1.15 | NR = .994 | 2.26 | 23700 | 34200 | 1.75 | 1190 | 170.8 | 627 | 1765 |
| | P2 = 18.76 | RAM | 1.01 | 1.65 | -.73 | -.00 | 1.00 | 1.01 | -.00 |
| | T2 = 589 | BLEED | .15 | -3.69 | 2.28 | -.53 | -1.82 | .15 | -.01 |
| | ERI = 0 | POWER | .03 | -.77 | 1.01 | .02 | .10 | .03 | .00 |

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CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|-----|-------|
| .30 | 1.06 | 2.29 | 35095 | 2260 | 1782 | 25800 | 22300 | 1.57 | 556 | 6.6 |
| | RAM | 1.01 | .97 | -.00 | -.03 | 1.55 | 1.64 | -.73 | .00 | .00 |
| | BLEED | -3.22 | -1.61 | -1.12 | 2.21 | -2.92 | -3.35 | 1.83 | .61 | .00 |
| | POWER | -3.85 | .49 | -.70 | 4.31 | -1.58 | -1.97 | 2.50 | .96 | .00 |
| .40 | 1.12 | 2.39 | 36804 | 2276 | 1783 | 28200 | 23400 | 1.57 | 556 | 6.6 |
| | RAM | 1.01 | .97 | -.00 | -.03 | 1.52 | 1.62 | -.71 | .00 | .00 |
| | BLEED | -3.21 | -1.61 | -1.07 | 2.17 | -2.74 | -3.42 | 1.90 | .55 | .00 |
| | POWER | -3.66 | .48 | -.58 | 4.08 | -1.42 | -1.88 | 2.40 | .83 | .00 |
| .50 | 1.19 | 2.54 | 39098 | 2297 | 1781 | 31100 | 24800 | 1.58 | 557 | 6.6 |
| | RAM | 1.01 | .97 | -.00 | -.03 | 1.48 | 1.61 | -.69 | .00 | .00 |
| | BLEED | -3.19 | -1.62 | -1.03 | 2.13 | -2.64 | -3.44 | 1.91 | .50 | .00 |
| | POWER | -3.39 | .45 | -.50 | 3.75 | -1.23 | -1.72 | 2.20 | .71 | .00 |
| .60 | 1.28 | 2.66 | 41179 | 2295 | 1797 | 33700 | 25700 | 1.60 | 556 | 6.6 |
| | RAM | 1.01 | .97 | -.00 | -.03 | 1.46 | 1.60 | -.68 | .00 | .00 |
| | BLEED | -3.07 | -1.64 | -.91 | 1.90 | -2.62 | -3.53 | 2.00 | .30 | .00 |
| | POWER | -3.15 | .38 | -.33 | 3.33 | -1.21 | -1.73 | 2.14 | .42 | .00 |
| .90 | 1.69 | 3.21 | 49715 | 2291 | 1845 | 45100 | 30100 | 1.65 | 542 | 6.6 |
| | RAM | 1.01 | .98 | -.01 | -.01 | 1.37 | 1.56 | -.63 | .00 | .00 |
| | BLEED | -2.97 | -1.61 | -.69 | 1.66 | -2.44 | -3.68 | 2.20 | .06 | .00 |
| | POWER | -2.30 | .28 | -.05 | 2.26 | -.88 | -1.32 | 1.62 | .01 | .00 |
| 1.15 | 2.26 | 3.85 | 59878 | 2291 | 1900 | 59400 | 35700 | 1.68 | 523 | 6.6 |
| | RAM | 1.01 | .98 | -.02 | -.01 | 1.31 | 1.51 | -.58 | .00 | .00 |
| | BLEED | -3.04 | -1.54 | -.67 | 1.83 | -2.19 | -3.74 | 2.33 | .15 | .00 |
| | POWER | -1.89 | .23 | -.04 | 1.87 | -.60 | -1.01 | 1.26 | .03 | .00 |

CONFIDENTIAL

GEI 84219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

15000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 3450 | 16000 | 1.28 | 1035 | 96.2 | 349 | 1719 |
| | P2 = 8.83 | RAM | 1.00 | 1.66 | -.71 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 474 | BLEED | .61 | -3.39 | 1.98 | -.67 | -1.95 | .61 | .00 |
| | ERI = 101 | POWER | .96 | -1.90 | 2.62 | .07 | .25 | .96 | .01 |
| .40 | NR = 1.00 | 1.12 | 4790 | 16400 | 1.30 | 1048 | 100.8 | 364 | 1738 |
| | P2 = 9.26 | RAM | 1.00 | 1.66 | -.71 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 480 | BLEED | .55 | -3.53 | 2.14 | -.67 | -1.95 | .55 | .01 |
| | ERI = 101 | POWER | .83 | -1.87 | 2.58 | .07 | .24 | .83 | .02 |
| .50 | NR = 1.00 | 1.19 | 6320 | 17100 | 1.34 | 1065 | 107.0 | 384 | 1763 |
| | P2 = 9.84 | RAM | 1.00 | 1.65 | -.70 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 489 | BLEED | .50 | -3.63 | 2.25 | -.67 | -1.95 | .50 | .01 |
| | ERI = 101 | POWER | .71 | -1.77 | 2.42 | .06 | .22 | .71 | .02 |
| .60 | NR = 1.00 | 1.28 | 8050 | 17400 | 1.39 | 1079 | 113.2 | 408 | 1765 |
| | P2 = 10.58 | RAM | 1.00 | 1.66 | -.71 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 499 | BLEED | .30 | -3.82 | 2.43 | -.68 | -1.96 | .30 | -.01 |
| | ERI = 0 | POWER | .42 | -1.82 | 2.39 | .06 | .19 | .42 | -.02 |
| .90 | NR = 1.00 | 1.69 | 15000 | 19200 | 1.51 | 1129 | 139.1 | 507 | 1765 |
| | P2 = 14.03 | RAM | 1.00 | 1.80 | -.87 | .00 | 1.01 | 1.00 | -.00 |
| | T2 = 541 | BLEED | .06 | -4.76 | 3.52 | -.55 | -1.89 | .06 | .00 |
| | ERI = 0 | POWER | .01 | -1.93 | 2.37 | .04 | .13 | .01 | -.00 |
| 1.15 | NR = .994 | 2.26 | 23700 | 22800 | 1.53 | 1190 | 170.8 | 627 | 1765 |
| | P2 = 18.76 | RAM | 1.01 | 1.89 | -.97 | -.00 | 1.00 | 1.01 | -.00 |
| | T2 = 589 | BLEED | .15 | -4.57 | 3.39 | -.53 | -1.82 | .15 | -.01 |
| | ERI = 0 | POWER | .03 | -.85 | 1.18 | .02 | .10 | .03 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|-----|-------|
| .30 | 1.06 | 2.33 | 20371 | 1583 | 1451 | 21500 | 18000 | 1.13 | 556 | 6.6 |
| | RAM | 1.01 | 1.01 | .02 | -.03 | 1.54 | 1.65 | -.69 | .00 | .00 |
| | BLEED | -3.14 | -1.51 | -1.09 | 2.19 | -2.68 | -3.31 | 1.89 | .61 | .00 |
| | POWER | -3.68 | .69 | -.69 | 4.19 | -1.40 | -1.85 | 2.56 | .96 | .00 |
| .40 | 1.12 | 2.44 | 21440 | 1599 | 1452 | 23500 | 18700 | 1.15 | 556 | 6.6 |
| | RAM | 1.01 | 1.01 | .02 | -.03 | 1.51 | 1.64 | -.69 | .00 | .00 |
| | BLEED | -3.13 | -1.50 | -1.04 | 2.16 | -2.61 | -3.42 | 2.02 | .55 | .00 |
| | POWER | -3.51 | .67 | -.58 | 3.97 | -1.26 | -1.80 | 2.50 | .83 | .00 |
| .50 | 1.19 | 2.59 | 22880 | 1619 | 1453 | 25900 | 19600 | 1.17 | 557 | 6.6 |
| | RAM | 1.01 | 1.01 | .02 | -.03 | 1.48 | 1.63 | -.67 | .00 | .00 |
| | BLEED | -3.11 | -1.51 | -1.00 | 2.12 | -2.52 | -3.49 | 2.09 | .50 | .00 |
| | POWER | -3.25 | .62 | -.50 | 3.66 | -1.10 | -1.68 | 2.33 | .71 | .00 |
| .60 | 1.28 | 2.72 | 24108 | 1621 | 1466 | 28100 | 20100 | 1.20 | 556 | 6.6 |
| | RAM | 1.01 | 1.01 | .02 | -.03 | 1.45 | 1.63 | -.68 | .00 | .00 |
| | BLEED | -3.00 | -1.54 | -.89 | 1.89 | -2.52 | -3.65 | 2.23 | .30 | .00 |
| | POWER | -3.02 | .53 | -.34 | 3.25 | -1.11 | -1.72 | 2.29 | .42 | .00 |
| .90 | 1.69 | 3.27 | 29066 | 1629 | 1508 | 37700 | 22700 | 1.28 | 542 | 6.6 |
| | RAM | 1.01 | 1.01 | .01 | -.00 | 1.37 | 1.61 | -.65 | .00 | .00 |
| | BLEED | -2.91 | -1.50 | -.69 | 1.59 | -2.37 | -3.97 | 2.63 | .06 | .00 |
| | POWER | -2.20 | .39 | -.09 | 2.12 | -.83 | -1.39 | 1.81 | .01 | .00 |
| 1.15 | 2.26 | 3.93 | 34853 | 1640 | 1556 | 49800 | 26000 | 1.34 | 523 | 6.6 |
| | RAM | 1.01 | 1.01 | -.00 | -.00 | 1.31 | 1.58 | -.63 | .00 | .00 |
| | BLEED | -2.96 | -1.42 | -.67 | 1.74 | -2.12 | -4.19 | 2.96 | .15 | .00 |
| | POWER | -1.81 | .32 | -.07 | 1.75 | -.56 | -1.10 | 1.44 | .03 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

15000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 3450 | 13300 | .92 | 1035 | 96.2 | 349 | 1719 |
| | P2 = 8.83 | RAM | 1.00 | 1.66 | -.71 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 474 | BLEED | .61 | -1.62 | .41 | -.67 | -1.95 | .61 | .00 |
| | ERI = 101 | POWER | .96 | 2.14 | -1.15 | .07 | .25 | .96 | .01 |
| .40 | NR = 1.00 | 1.12 | 4790 | 13700 | .95 | 1048 | 100.8 | 364 | 1738 |
| | P2 = 9.26 | RAM | 1.00 | 1.83 | -.90 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 480 | BLEED | .55 | -2.72 | 1.57 | -.67 | -1.95 | .55 | .01 |
| | ERI = 101 | POWER | .83 | -.10 | 1.05 | .07 | .24 | .83 | .02 |
| .50 | NR = 1.00 | 1.19 | 6320 | 14300 | .97 | 1065 | 107.0 | 384 | 1763 |
| | P2 = 9.84 | RAM | 1.00 | 1.59 | -.63 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 489 | BLEED | .50 | -3.46 | 2.37 | -.67 | -1.95 | .50 | .01 |
| | ERI = 101 | POWER | .71 | -.94 | 1.84 | .06 | .22 | .71 | .02 |
| .60 | NR = 1.00 | 1.28 | 8050 | 14600 | 1.00 | 1079 | 113.2 | 408 | 1765 |
| | P2 = 10.58 | RAM | 1.00 | 1.94 | -1.03 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 499 | BLEED | .30 | -3.92 | 2.83 | -.68 | -1.96 | .30 | -.01 |
| | ERI = 0 | POWER | .42 | -1.41 | 2.20 | .06 | .19 | .42 | -.02 |
| .90 | NR = 1.00 | 1.69 | 15000 | 16400 | 1.06 | 1129 | 139.1 | 507 | 1765 |
| | P2 = 14.03 | RAM | 1.00 | 1.89 | -.97 | .00 | 1.01 | 1.00 | -.00 |
| | T2 = 541 | BLEED | .06 | -4.56 | 3.57 | -.55 | -1.89 | .06 | .00 |
| | ERI = 0 | POWER | .01 | -1.48 | 2.08 | .04 | .13 | .01 | -.00 |
| 1.15 | NR = .994 | 2.26 | 23700 | 18400 | 1.11 | 1190 | 170.8 | 627 | 1765 |
| | P2 = 18.76 | RAM | 1.01 | 1.82 | -.89 | -.00 | 1.00 | 1.01 | -.00 |
| | T2 = 589 | BLEED | .15 | -4.98 | 4.16 | -.53 | -1.82 | .15 | -.01 |
| | ERI = 0 | POWER | .03 | -1.32 | 1.82 | .02 | .10 | .03 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|------|-----|--------|
| .30 | 1.06 | 2.36 | 12278 | 1189 | 1240 | 18500 | 15100 | .81 | 556 | 15.1 |
| | RAM | 1.01 | 1.01 | .01 | -.05 | 1.52 | 1.64 | -.69 | .00 | .00 |
| | BLEED | -3.10 | -1.22 | -.91 | 2.30 | -2.52 | -3.24 | 2.12 | .61 | -37.53 |
| | POWER | -3.59 | .98 | -.65 | 4.17 | -1.28 | -1.79 | 2.79 | .96 | -85.90 |
| .40 | 1.12 | 2.47 | 12957 | 1203 | 1241 | 20300 | 15500 | .83 | 556 | 15.1 |
| | RAM | 1.01 | 1.01 | .00 | -.05 | 1.49 | 1.65 | -.69 | .00 | .00 |
| | BLEED | -3.09 | -1.21 | -.87 | 2.26 | -2.46 | -3.39 | 2.30 | .55 | -37.53 |
| | POWER | -3.42 | .95 | -.55 | 3.94 | -1.16 | -1.78 | 2.76 | .83 | -81.37 |
| .50 | 1.19 | 2.62 | 13876 | 1221 | 1241 | 22400 | 16100 | .86 | 557 | 15.1 |
| | RAM | 1.01 | 1.01 | .01 | -.06 | 1.46 | 1.64 | -.69 | .00 | 11.26 |
| | BLEED | -3.07 | -1.22 | -.85 | 2.23 | -2.38 | -3.51 | 2.42 | .50 | .00 |
| | POWER | -3.17 | .88 | -.48 | 3.64 | -1.01 | -1.69 | 2.61 | .71 | .00 |
| .60 | 1.28 | 2.75 | 14585 | 1224 | 1252 | 24300 | 16300 | .90 | 556 | 15.1 |
| | RAM | 1.01 | 1.01 | .00 | -.06 | 1.44 | 1.65 | -.70 | .00 | .00 |
| | BLEED | -2.97 | -1.26 | -.76 | 2.00 | -2.40 | -3.73 | 2.62 | .30 | .00 |
| | POWER | -2.94 | .76 | -.35 | 3.23 | -1.05 | -1.78 | 2.58 | .42 | .00 |
| .90 | 1.69 | 3.31 | 17362 | 1234 | 1288 | 32600 | 17600 | .98 | 542 | 15.1 |
| | RAM | 1.01 | 1.01 | .00 | -.00 | 1.36 | 1.66 | -.71 | .00 | .00 |
| | BLEED | -2.87 | -1.23 | -.61 | 1.62 | -2.29 | -4.27 | 3.25 | .06 | .00 |
| | POWER | -2.15 | .57 | -.14 | 2.05 | -.83 | -1.54 | 2.14 | .01 | .00 |
| 1.15 | 2.26 | 3.98 | 20482 | 1248 | 1331 | 43100 | 19400 | 1.06 | 523 | 15.1 |
| | RAM | 1.01 | 1.01 | .00 | -.00 | 1.30 | 1.67 | -.72 | .00 | .00 |
| | BLEED | -2.92 | -1.13 | -.59 | 1.76 | -2.05 | -4.73 | 3.87 | .15 | .00 |
| | POWER | -1.76 | .47 | -.13 | 1.69 | -.56 | -1.29 | 1.79 | .03 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 3370 | 12200 | .91 | 1008 | 90.9 | 342 | 1639 |
| | P2 = 8.83 | RAM | 1.02 | 1.59 | -.70 | -.01 | .99 | 1.02 | -.04 |
| | T2 = 474 | BLEED | .10 | -.68 | 2.57 | -.45 | -1.16 | .10 | 2.07 |
| | ERI = 0 | POWER | -.46 | 2.42 | 4.24 | .51 | 1.70 | -.46 | 3.79 |
| .40 | NR = 1.00 | 1.12 | 4660 | 12600 | .91 | 1018 | 94.3 | 354 | 1648 |
| | P2 = 9.26 | RAM | 1.02 | 1.58 | -.66 | -.01 | .99 | 1.02 | -.05 |
| | T2 = 480 | BLEED | .10 | -.66 | 2.61 | -.43 | -1.14 | .10 | 2.09 |
| | ERI = 0 | POWER | -.43 | 2.47 | 3.94 | .48 | 1.62 | -.43 | 3.63 |
| .50 | NR = 1.00 | 1.19 | 6090 | 12600 | .95 | 1029 | 98.8 | 371 | 1659 |
| | P2 = 9.84 | RAM | 1.02 | 1.56 | -.66 | -.00 | .99 | 1.02 | -.04 |
| | T2 = 489 | BLEED | .10 | -.67 | 2.70 | -.41 | -1.11 | .10 | 2.13 |
| | ERI = 0 | POWER | -.40 | 2.49 | 3.59 | .45 | 1.51 | -.40 | 3.44 |
| .60 | NR = 1.00 | 1.28 | 7720 | 12600 | 1.01 | 1044 | 104.5 | 391 | 1672 |
| | P2 = 10.58 | RAM | 1.02 | 1.58 | -.69 | -.00 | .99 | 1.02 | -.04 |
| | T2 = 499 | BLEED | .10 | -.80 | 2.93 | -.39 | -1.07 | .10 | 2.16 |
| | ERI = 0 | POWER | -.38 | 3.01 | 2.74 | .41 | 1.41 | -.38 | 3.25 |
| .90 | NR = 1.00 | 1.69 | 14200 | 14500 | 1.08 | 1100 | 129.1 | 480 | 1720 |
| | P2 = 14.03 | RAM | 1.00 | 1.95 | -1.06 | -.00 | 1.01 | 1.00 | -.01 |
| | T2 = 541 | BLEED | .27 | -1.47 | 3.15 | -.40 | -1.17 | .27 | 1.76 |
| | ERI = 0 | POWER | -.37 | 2.82 | 2.04 | .33 | 1.14 | -.37 | 2.72 |
| 1.15 | NR = .994 | 2.26 | 22100 | 16500 | 1.13 | 1152 | 153.9 | 584 | 1765 |
| | P2 = 18.76 | RAM | 1.01 | 1.89 | -.98 | -.00 | 1.00 | 1.01 | -.00 |
| | T2 = 589 | BLEED | .51 | -4.96 | 4.09 | -.61 | -1.89 | .51 | -.01 |
| | ERI = 0 | POWER | .36 | -1.42 | 2.02 | .04 | .13 | .36 | -.00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|------|------|--------|
| .30 | 1.06 | 2.24 | 11051 | 1136 | 1249 | 17200 | 13800 | .800 | 543 | 15.1 |
| | RAM | .96 | .95 | -.04 | .00 | 1.53 | 1.65 | -.77 | .02 | .00 |
| | BLEED | -.33 | 1.86 | 1.07 | .00 | -.51 | -.66 | 2.55 | .10 | .00 |
| | POWER | 1.27 | 6.74 | 3.22 | .00 | 1.91 | 2.49 | 4.19 | -.46 | -93.19 |
| .40 | 1.12 | 2.33 | 11474 | 1143 | 1249 | 18600 | 14000 | .82 | 541 | 6.6 |
| | RAM | .95 | .95 | -.04 | .00 | 1.50 | 1.66 | -.78 | .02 | -25.76 |
| | BLEED | -.32 | 1.92 | 1.10 | .00 | -.49 | -.68 | 2.63 | .10 | .00 |
| | POWER | 1.20 | 6.47 | 3.07 | .00 | 1.79 | 2.54 | 3.87 | -.43 | .00 |
| .50 | 1.19 | 2.44 | 12026 | 1152 | 1249 | 20300 | 14200 | .85 | 537 | 6.6 |
| | RAM | .95 | .95 | -.04 | .00 | 1.47 | 1.67 | -.78 | .02 | .00 |
| | BLEED | -.29 | 2.00 | 1.13 | .00 | -.45 | -.68 | 2.71 | .10 | .00 |
| | POWER | 1.11 | 6.14 | 2.88 | .00 | 1.66 | 2.55 | 3.53 | -.40 | .00 |
| .60 | 1.28 | 2.58 | 12725 | 1163 | 1249 | 22100 | 14400 | .89 | 533 | 15.1 |
| | RAM | .95 | .95 | -.04 | .00 | 1.44 | 1.66 | -.78 | .02 | 11.26 |
| | BLEED | -.27 | 2.09 | 1.17 | .00 | -.41 | -.68 | 2.80 | .10 | .00 |
| | POWER | 1.02 | 5.81 | 2.70 | .00 | 1.52 | 2.54 | 3.21 | -.38 | .00 |
| .90 | 1.69 | 3.20 | 15674 | 1203 | 1249 | 30100 | 15900 | .98 | 514 | 15.1 |
| | RAM | 1.00 | 1.00 | -.00 | .00 | 1.37 | 1.69 | -.75 | .00 | .00 |
| | BLEED | -.80 | 1.61 | .77 | .45 | -.60 | -1.39 | 3.06 | .27 | .00 |
| | POWER | .91 | 4.90 | 2.24 | .00 | 1.12 | 2.46 | 2.39 | -.37 | .00 |
| 1.15 | 2.26 | 3.91 | 18598 | 1233 | 1255 | 39600 | 17600 | 1.06 | 487 | 15.1 |
| | RAM | 1.01 | 1.01 | .00 | -.00 | 1.31 | 1.69 | -.74 | -.00 | .00 |
| | BLEED | -2.81 | -1.17 | -.77 | 1.92 | -1.76 | -4.62 | 3.71 | .51 | .00 |
| | POWER | -2.04 | .56 | -.28 | 2.22 | -.41 | -1.38 | 1.97 | .36 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| M0 | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 2980 | 8640 | .90 | 937 | 72.5 | 302 | 1456 |
| | P2 = 8.83 | RAM | 1.08 | 1.93 | -1.24 | -.02 | .96 | 1.08 | -.14 |
| | T2 = 474 | BLEED | .12 | -.67 | 3.01 | -.42 | -1.07 | .12 | 2.30 |
| | ERI = 0 | POWER | -.74 | 3.99 | 5.35 | .68 | 2.26 | -.74 | 5.30 |
| .40 | NR = 1.00 | 1.12 | 4100 | 8510 | .93 | 943 | 74.4 | 312 | 1458 |
| | P2 = 9.26 | RAM | 1.07 | 2.17 | -1.52 | -.02 | .96 | 1.07 | -.14 |
| | T2 = 480 | BLEED | .12 | -.76 | 3.14 | -.42 | -1.07 | .12 | 2.33 |
| | ERI = 0 | POWER | -.66 | 4.34 | 4.97 | .67 | 2.25 | -.66 | 5.27 |
| .50 | NR = 1.00 | 1.19 | 5320 | 8110 | .99 | 950 | 76.6 | 324 | 1445 |
| | P2 = 9.84 | RAM | 1.06 | 1.98 | -1.29 | -.01 | .96 | 1.06 | -.13 |
| | T2 = 489 | BLEED | .12 | -.70 | 3.14 | -.40 | -1.08 | .12 | 2.33 |
| | ERI = 0 | POWER | -.58 | 4.17 | 5.01 | .66 | 2.21 | -.58 | 5.13 |
| .60 | NR = 1.00 | 1.28 | 6670 | 7590 | 1.07 | 958 | 79.2 | 338 | 1433 |
| | P2 = 10.58 | RAM | 1.03 | 1.85 | -1.03 | -.01 | .99 | 1.03 | -.06 |
| | T2 = 499 | BLEED | .11 | -.84 | 3.35 | -.39 | -1.08 | .11 | 2.33 |
| | ERI = 0 | POWER | -.58 | 4.45 | 4.60 | .62 | 2.15 | -.58 | 4.97 |
| .90 | NR = 1.00 | 1.69 | 11800 | 6690 | 1.28 | 992 | 89.8 | 400 | 1400 |
| | P2 = 14.03 | RAM | 1.02 | 2.03 | -1.24 | -.01 | .99 | 1.02 | -.05 |
| | T2 = 541 | BLEED | .09 | -1.61 | 4.12 | -.45 | -1.27 | .09 | 2.22 |
| | ERI = 0 | POWER | -.37 | 5.75 | 2.90 | .52 | 2.01 | -.37 | 4.41 |
| 1.15 | NR = .994 | 2.26 | 17900 | 5620 | 1.53 | 1026 | 100.2 | 474 | 1354 |
| | P2 = 18.76 | RAM | 1.02 | 3.24 | -2.83 | -.01 | .97 | 1.02 | -.08 |
| | T2 = 589 | BLEED | .05 | -2.76 | 5.89 | -.41 | -1.32 | .05 | 2.34 |
| | ERI = 0 | POWER | -.21 | 8.83 | -.07 | .42 | 1.90 | -.21 | 4.05 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

15000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|------|------|------|-------|-------|-------|------|-------|
| .30 | 1.06 | 1.89 | 7786 | 1008 | 1249 | 12800 | 9820 | .795 | 480 | 15.1 |
| | RAM | .86 | .81 | -.14 | .00 | 1.62 | 1.78 | -1.07 | .09 | .00 |
| | BLEED | -.21 | 2.31 | 1.20 | .00 | -.41 | -.57 | 2.90 | .12 | .00 |
| | POWER | 1.29 | 9.43 | 4.26 | .00 | 2.42 | 3.37 | 5.96 | -.74 | .00 |
| .40 | 1.12 | 1.94 | 7956 | 1008 | 1249 | 13800 | 9680 | .82 | 476 | 15.1 |
| | RAM | .85 | .81 | -.14 | .00 | 1.59 | 1.81 | -1.10 | .07 | .00 |
| | BLEED | -.23 | 2.35 | 1.20 | .00 | -.41 | -.63 | 3.01 | .12 | .00 |
| | POWER | 1.38 | 9.40 | 4.17 | .00 | 2.42 | 3.73 | 5.58 | -.66 | .00 |
| .50 | 1.19 | 2.00 | 8031 | 1002 | 1249 | 14700 | 9360 | .86 | 469 | 15.1 |
| | RAM | .86 | .82 | -.12 | .00 | 1.55 | 1.84 | -1.12 | .06 | .00 |
| | BLEED | -.26 | 2.40 | 1.19 | .00 | -.40 | -.70 | 3.13 | .12 | .00 |
| | POWER | 1.35 | 9.28 | 4.00 | .00 | 2.46 | 4.18 | 5.00 | -.58 | .00 |
| .60 | 1.28 | 2.08 | 8135 | 997 | 1249 | 15700 | 9000 | .90 | 460 | 15.1 |
| | RAM | .94 | .91 | -.05 | .00 | 1.58 | 1.98 | -1.18 | .03 | .00 |
| | BLEED | -.25 | 2.47 | 1.19 | .00 | -.43 | -.83 | 3.34 | .11 | .00 |
| | POWER | 1.39 | 9.14 | 3.85 | .00 | 2.29 | 4.41 | 4.63 | -.58 | .00 |
| .90 | 1.69 | 2.42 | 8551 | 984 | 1249 | 20000 | 8190 | 1.04 | 427 | 6.6 |
| | RAM | .95 | .92 | -.04 | .00 | 1.47 | 2.12 | -1.34 | .02 | .00 |
| | BLEED | -.36 | 2.41 | 1.02 | .00 | -.56 | -1.49 | 3.99 | .09 | .00 |
| | POWER | 1.29 | 8.74 | 3.24 | .00 | 1.97 | 5.34 | 3.30 | -.37 | .00 |
| 1.15 | 2.26 | 2.81 | 8612 | 964 | 1249 | 25200 | 7240 | 1.19 | 396 | 15.1 |
| | RAM | .93 | .86 | -.06 | .00 | 1.37 | 2.26 | -1.57 | .01 | .00 |
| | BLEED | -.31 | 2.88 | 1.04 | .00 | -.57 | -2.12 | 5.16 | .05 | .00 |
| | POWER | 1.31 | 8.75 | 2.79 | .00 | 1.74 | 6.56 | 2.11 | -.21 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|--------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 2380 | 2550 | 1.24 | 818 | 44.3 | 241 | 1047 |
| | P2 = 8.83 | RAM | 1.11 | 1.93 | -2.47 | -.07 | .72 | 1.11 | -.73 |
| | T2 = 474 | BLEED | .03 | -1.53 | 4.73 | -.43 | -1.32 | .03 | 2.45 |
| | ERI = 0 | POWER | -.16 | 9.11 | 8.96 | .91 | 3.98 | -.16 | 8.18 |
| .40 | NR = 1.00 | 1.12 | 3270 | 1970 | 1.55 | 822 | 44.8 | 249 | 1021 |
| | P2 = 9.26 | RAM | 1.08 | 2.14 | -2.85 | -.07 | .71 | 1.08 | -.75 |
| | T2 = 480 | BLEED | .02 | -2.24 | 5.65 | -.44 | -1.35 | .02 | 2.41 |
| | ERI = 0 | POWER | -.11 | 12.15 | 6.30 | .91 | 3.95 | -.11 | 8.00 |
| .50 | NR = 1.00 | 1.19 | 4250 | 1360 | 2.17 | 828 | 45.6 | 258 | 997 |
| | P2 = 9.84 | RAM | 1.06 | 3.08 | -3.79 | -.06 | .78 | 1.06 | -.61 |
| | T2 = 489 | BLEED | .03 | -3.50 | 7.36 | -.43 | -1.37 | .03 | 2.42 |
| | ERI = 0 | POWER | -.10 | 17.40 | 1.12 | .88 | 3.80 | -.10 | 7.64 |
| .60 | NR = 1.00 | 1.28 | 5320 | 660 | 4.26 | 833 | 46.5 | 270 | 968 |
| | P2 = 10.58 | RAM | 1.06 | 5.82 | -8.30 | -.05 | .80 | 1.06 | -.55 |
| | T2 = 499 | BLEED | .03 | -7.80 | 13.18 | -.39 | -1.36 | .03 | 2.45 |
| | ERI = 0 | POWER | -.10 | 35.79 | -15.16 | .87 | 3.76 | -.10 | 7.50 |
| .90 | NR = 1.00 | 1.69 | 9340 | -1690 | -1.340 | 861 | 50.6 | 316 | 873 |
| | P2 = 14.03 | RAM | 1.00 | -1.63 | 1.63 | -.03 | .87 | 1.00 | -.38 |
| | T2 = 541 | BLEED | .01 | 4.70 | .10 | -.48 | -1.57 | .01 | 2.12 |
| | ERI = 0 | POWER | -.01 | -14.41 | 38.35 | .73 | 3.47 | -.01 | 6.74 |
| 1.15 | NR = .994 | 2.26 | 13900 | -3970 | -.430 | 902 | 57.6 | 369 | 803 |
| | P2 = 18.76 | RAM | 1.01 | -.48 | .50 | -.02 | .90 | 1.01 | -.29 |
| | T2 = 589 | BLEED | .01 | 2.66 | 4.64 | -.45 | -1.57 | .01 | 1.95 |
| | ERI = 0 | POWER | -.02 | -6.61 | 36.58 | .58 | 3.18 | -.02 | 6.14 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|--------|--------|------|-------|
| .30 | 1.06 | 1.26 | 3168 | 746 | 1587 | 5450 | 3070 | 1.03 | 383 | 6.6 |
| | RAM | .35 | -.30 | -.54 | .00 | 1.54 | 1.87 | -2.39 | .12 | .00 |
| | BLEED | -.21 | 3.08 | 1.06 | .00 | -.78 | -1.40 | 4.58 | .03 | .00 |
| | POWER | 1.04 | 18.26 | 5.19 | .00 | 4.63 | 8.34 | 9.72 | -.16 | .00 |
| .40 | 1.12 | 1.27 | 3051 | 735 | 1587 | 5800 | 2530 | 1.21 | 380 | 6.6 |
| | RAM | .34 | -.40 | -.54 | .00 | 1.48 | 2.00 | -2.67 | .09 | .00 |
| | BLEED | -.19 | 3.22 | 1.02 | .00 | -.83 | -1.93 | 5.30 | .02 | .00 |
| | POWER | .98 | 18.64 | 4.98 | .00 | 4.50 | 10.46 | 7.97 | -.11 | .00 |
| .50 | 1.19 | 1.29 | 2946 | 725 | 1587 | 6210 | 1960 | 1.50 | 375 | 6.6 |
| | RAM | .36 | -.13 | -.40 | .00 | 1.55 | 2.61 | -3.15 | .06 | .00 |
| | BLEED | -.20 | 3.47 | 1.02 | .00 | -.83 | -2.68 | 6.42 | .03 | .00 |
| | POWER | .96 | 18.57 | 4.60 | .00 | 4.14 | 13.35 | 5.06 | -.10 | .00 |
| .60 | 1.28 | 1.31 | 2803 | 714 | 1587 | 6620 | 1300 | 2.16 | 368 | 6.6 |
| | RAM | .40 | -.07 | -.36 | .00 | 1.58 | 3.73 | -4.67 | .06 | .00 |
| | BLEED | -.21 | 3.84 | 1.02 | .00 | -.83 | -4.37 | 8.78 | .03 | .00 |
| | POWER | .96 | 19.26 | 4.41 | .00 | 3.84 | 20.05 | -.75 | -.10 | .00 |
| .90 | 1.69 | 1.40 | 2260 | 689 | 1587 | 8470 | -870 | -2.590 | 337 | 6.6 |
| | RAM | .50 | .13 | -.20 | .00 | 1.59 | -4.65 | 3.87 | .00 | .00 |
| | BLEED | -.33 | 4.81 | .81 | .00 | -1.03 | 10.06 | -4.56 | .01 | .00 |
| | POWER | .96 | 22.41 | 3.53 | .00 | 3.17 | -30.87 | 58.23 | -.01 | .00 |
| 1.15 | 2.26 | 1.54 | 1718 | 685 | 1587 | 11000 | -2910 | -.590 | 308 | 6.6 |
| | RAM | .61 | .04 | -.14 | .00 | 1.60 | -1.23 | 1.19 | .00 | .00 |
| | BLEED | -.40 | 7.48 | .75 | .00 | -1.04 | 4.01 | 3.27 | .01 | .00 |
| | POWER | 1.00 | 29.19 | 2.96 | .00 | 2.61 | -9.98 | 40.47 | -.02 | .00 |

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|--------|--------|--------|-------|--------|--------|-------|
| .30 | NR = 1.00 | 1.06 | 1600 | -270 | -5.195 | 712 | 25.5 | 163 | 895 |
| | P2 = 8.83 | RAM | 1.36 | -.39 | -1.38 | -.16 | .44 | 1.36 | -1.32 |
| | T2 = 474 | BLEED | .01 | 3.51 | .59 | -.45 | -1.33 | .01 | 2.64 |
| | ERI = 0 | POWER | -.09 | -61.78 | 112.03 | 2.07 | 7.80 | -.09 | 16.20 |
| .40 | NR = 1.00 | 1.12 | 2210 | -780 | -1.675 | 714 | 25.7 | 168 | 864 |
| | P2 = 9.26 | RAM | 1.16 | .44 | -1.95 | -.12 | .53 | 1.16 | -1.13 |
| | T2 = 480 | BLEED | .01 | 1.58 | 2.94 | -.42 | -1.33 | .01 | 2.66 |
| | ERI = 0 | POWER | -.08 | -15.88 | 60.24 | 1.55 | 7.32 | -.08 | 15.04 |
| .50 | NR = 1.00 | 1.19 | 2880 | -1350 | -.875 | 718 | 25.9 | 175 | 826 |
| | P2 = 9.84 | RAM | 1.13 | .62 | -2.31 | -.11 | .54 | 1.13 | -1.10 |
| | T2 = 489 | BLEED | .01 | 1.09 | 3.79 | -.46 | -1.40 | .01 | 2.53 |
| | ERI = 0 | POWER | -.06 | -9.48 | 57.30 | 1.62 | 7.37 | -.06 | 14.95 |
| .60 | NR = 1.00 | 1.28 | 3640 | -1980 | -.520 | 722 | 26.3 | 184 | 783 |
| | P2 = 10.58 | RAM | 1.08 | .66 | -2.64 | -.11 | .55 | 1.08 | -1.07 |
| | T2 = 499 | BLEED | .02 | 1.02 | 4.49 | -.51 | -1.47 | .02 | 2.37 |
| | ERI = 0 | POWER | -.08 | -6.52 | 61.35 | 1.71 | 7.57 | -.08 | 15.15 |
| .90 | NR = 1.00 | 1.69 | 7520 | -4460 | -.175 | 789 | 35.3 | 254 | 690 |
| | P2 = 14.03 | RAM | 1.57 | .72 | -.74 | .22 | 1.68 | 1.57 | -.49 |
| | T2 = 541 | BLEED | -2.28 | .44 | -.44 | -1.75 | -5.56 | -2.28 | .63 |
| | ERI = 100 | POWER | -15.93 | -5.60 | 5.66 | -6.61 | -22.48 | -15.93 | 2.32 |
| 1.15 | NR = .994 | 2.26 | 13000 | -4970 | -.220 | 877 | 51.0 | 345 | 734 |
| | P2 = 18.76 | RAM | 1.48 | -.32 | 2.04 | .22 | 1.75 | 1.48 | -.02 |
| | T2 = 589 | BLEED | -2.90 | 4.31 | -10.79 | -2.06 | -7.17 | -2.90 | -.93 |
| | ERI = 100 | POWER | -10.87 | 5.13 | -22.02 | -4.73 | -17.20 | -10.87 | -2.30 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84210

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 15000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|--------|-------|------|--------|---------|---------|--------|-------|
| .30 | 1.06 | 1.04 | 1412 | 651 | 2400 | 1470 | -130 | -10.475 | 259 | 6.6 |
| | RAM | .07 | -1.79 | -.93 | .00 | 1.71 | -2.46 | .59 | .38 | .00 |
| | BLEED | -.03 | 4.13 | 1.08 | .00 | -.70 | 7.76 | -3.25 | .01 | .00 |
| | POWER | .41 | 43.02 | 9.13 | .00 | 12.44 | -136.70 | 209.68 | -.09 | .00 |
| .40 | 1.12 | 1.04 | 1312 | 639 | 2400 | 1580 | -640 | -2.060 | 257 | 6.6 |
| | RAM | .06 | -1.46 | -.70 | .00 | 1.54 | .20 | -1.68 | .16 | .00 |
| | BLEED | -.05 | 4.59 | 1.07 | .00 | -.84 | 2.12 | 2.39 | .01 | .00 |
| | POWER | .33 | 43.36 | 8.28 | .00 | 8.55 | -21.41 | 66.27 | -.08 | .00 |
| .50 | 1.19 | 1.05 | 1185 | 626 | 2400 | 1690 | -1190 | -.995 | 254 | 6.6 |
| | RAM | .07 | -1.61 | -.64 | .00 | 1.57 | .51 | -2.18 | .14 | .00 |
| | BLEED | -.06 | 4.95 | .98 | .00 | -.93 | 1.35 | 3.53 | .01 | .00 |
| | POWER | .21 | 47.24 | 7.90 | .00 | 8.21 | -11.77 | 59.76 | -.06 | .00 |
| .60 | 1.28 | 1.05 | 1031 | 612 | 2400 | 1820 | -1810 | -.570 | 251 | 6.6 |
| | RAM | .09 | -1.89 | -.59 | .00 | 1.57 | .59 | -2.55 | .09 | .00 |
| | BLEED | -.06 | 5.58 | .89 | .00 | -1.18 | 1.22 | 4.28 | .02 | .00 |
| | POWER | .42 | 54.40 | 7.66 | .00 | 7.57 | -7.78 | 62.71 | -.08 | .00 |
| .90 | 1.69 | 1.10 | 780 | 603 | 2400 | 3360 | -4160 | -.190 | 272 | 6.6 |
| | RAM | .27 | -.00 | -.17 | .00 | 2.79 | .59 | -.61 | .60 | .00 |
| | BLEED | -.62 | .00 | -.04 | .00 | -6.18 | .87 | -.86 | -2.28 | .00 |
| | POWER | -3.43 | .00 | -.19 | .00 | -30.57 | -4.09 | 4.1 | -15.93 | .00 |
| 1.15 | 2.26 | 1.40 | 1081 | 653 | 1690 | 8920 | -4110 | -.265 | 288 | 6.6 |
| | RAM | .79 | 1.75 | .03 | .00 | 2.59 | -.93 | 2.57 | .50 | .00 |
| | BLEED | -2.28 | -7.17 | -.77 | .00 | -7.34 | 6.75 | -12.65 | -2.90 | .00 |
| | POWER | -6.46 | -17.20 | -1.93 | .00 | -20.74 | 10.55 | -26.9 | -10.87 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 3410 | 24400 | 2.52 | 1096 | 91.5 | 332 | 1765 |
| | P2 = 8.83 | RAM | 1.00 | 1.81 | -.96 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 514 | BLEED | .11 | -3.62 | 1.79 | -.63 | -1.96 | .11 | -.00 |
| | ERI = 0 | POWER | .20 | -2.00 | 2.37 | .07 | .23 | .20 | -.01 |
| .40 | NR = 1.00 | 1.12 | 4720 | 25400 | 2.50 | 1104 | 94.7 | 344 | 1765 |
| | P2 = 9.26 | RAM | 1.00 | 1.80 | -.95 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 521 | BLEED | .08 | -3.82 | 1.70 | -.60 | -1.95 | .08 | -.00 |
| | ERI = 0 | POWER | .12 | -1.97 | 2.32 | .06 | .21 | .12 | -.01 |
| .50 | NR = 1.00 | 1.19 | 6180 | 26500 | 2.49 | 1116 | 99.0 | 361 | 1765 |
| | P2 = 9.84 | RAM | 1.00 | 1.79 | -.93 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 531 | BLEED | .05 | -4.32 | 1.15 | -.57 | -1.92 | .05 | -.00 |
| | ERI = 0 | POWER | .05 | -2.86 | .89 | .06 | .19 | .05 | -.00 |
| .60 | NR = 1.00 | 1.28 | 7830 | 27800 | 2.50 | 1130 | 104.4 | 381 | 1765 |
| | P2 = 10.58 | RAM | 1.00 | 1.78 | -.91 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 542 | BLEED | .05 | -4.91 | .50 | -.54 | -1.89 | .05 | .00 |
| | ERI = 0 | POWER | .00 | -3.79 | -.52 | .05 | .18 | .00 | -.00 |
| .90 | NR = 1.00 | 1.69 | 14500 | 33200 | 2.40 | 1188 | 127.8 | 470 | 1765 |
| | P2 = 14.03 | RAM | 1.00 | 1.69 | -.74 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 587 | BLEED | .14 | -5.99 | -.17 | -.53 | -1.83 | .14 | -.01 |
| | ERI = 1 | POWER | .04 | -4.68 | -1.63 | .03 | .14 | .04 | .00 |
| 1.15 | NR = .994 | 2.26 | 22900 | 38900 | 2.29 | 1252 | 156.0 | 580 | 1765 |
| | P2 = 18.76 | RAM | 1.01 | 1.60 | -.65 | -.00 | 1.01 | 1.01 | -.00 |
| | T2 = 639 | BLEED | .08 | -6.97 | .13 | -.55 | -1.85 | .08 | .01 |
| | ERI = 1 | POWER | -.01 | -4.47 | -1.04 | .03 | .13 | -.01 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| M0 | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|
| .30 | 1.06 | 2.06 | 61586 | 3333 | 2333 | 28800 | 25400 | 2.43 | 550 | 6.6 |
| | RAM | 1.02 | .94 | -.01 | -.07 | 1.65 | 1.73 | -.87 | .00 | .00 |
| | BLEED | -3.15 | -1.93 | -.78 | 1.93 | -3.40 | -3.87 | 2.07 | .11 | .00 |
| | POWER | -3.93 | .34 | -.20 | 3.96 | -2.47 | -2.83 | 3.23 | .20 | .00 |
| .40 | 1.12 | 2.13 | 63555 | 3332 | 2342 | 31100 | 26300 | 2.41 | 548 | 6.6 |
| | RAM | 1.02 | .94 | -.01 | -.02 | 1.62 | 1.73 | -.86 | .00 | .00 |
| | BLEED | -3.13 | -2.22 | -.91 | 1.66 | -3.40 | -4.03 | 1.93 | .08 | .00 |
| | POWER | -3.73 | .32 | -.16 | 3.72 | -2.28 | -2.71 | 3.09 | .12 | .00 |
| .50 | 1.19 | 2.21 | 66147 | 3331 | 2358 | 33600 | 27400 | 2.41 | 545 | 6.6 |
| | RAM | 1.01 | .94 | -.00 | -.02 | 1.58 | 1.71 | -.84 | .00 | .00 |
| | BLEED | -3.04 | -3.25 | -1.41 | 1.22 | -3.57 | -4.38 | 1.22 | .05 | .00 |
| | POWER | -3.37 | -1.98 | -1.21 | 2.60 | -2.66 | -3.27 | 1.31 | .05 | .00 |
| .60 | 1.28 | 2.32 | 69408 | 3331 | 2375 | 36400 | 28600 | 2.43 | 541 | 6.6 |
| | RAM | 1.01 | .95 | -.01 | -.02 | 1.55 | 1.70 | -.82 | .00 | .00 |
| | BLEED | -2.96 | -4.45 | -2.02 | .74 | -3.78 | -4.82 | .41 | .05 | .00 |
| | POWER | -3.00 | -4.30 | -2.31 | 1.49 | -3.05 | -3.89 | -.42 | .00 | .00 |
| .90 | 1.69 | 2.78 | 79798 | 3258 | 2402 | 48300 | 33800 | 2.36 | 523 | 6.6 |
| | RAM | 1.01 | 1.01 | .02 | .00 | 1.45 | 1.65 | -.69 | .00 | .00 |
| | BLEED | -2.84 | -6.14 | -3.30 | -.03 | -4.04 | -5.83 | -.34 | .14 | .00 |
| | POWER | -2.23 | -6.24 | -3.74 | -.06 | -3.18 | -4.55 | -1.76 | .04 | .00 |
| 1.15 | 2.26 | 3.34 | 89102 | 3117 | 2401 | 62500 | 39600 | 2.25 | 505 | 6.6 |
| | RAM | 1.02 | 1.01 | .01 | .00 | 1.38 | 1.60 | -.64 | .00 | .00 |
| | BLEED | -3.20 | -6.85 | -3.94 | -.03 | -4.34 | -6.90 | .06 | .08 | .00 |
| | POWER | -2.07 | -5.46 | -3.52 | -.04 | -2.81 | -4.43 | -1.09 | -.01 | .00 |

CONFIDENTIAL

GE1 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 3410 | 21600 | 2.20 | 1096 | 91.5 | 332 | 1765 |
| | P2 = 8.83 | RAM | 1.00 | 1.84 | -.98 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 514 | BLEED | .11 | -3.58 | 2.01 | -.63 | -1.96 | .11 | -.00 |
| | ERI = 0 | POWER | .20 | -1.86 | 2.26 | .07 | .23 | .20 | -.01 |
| .40 | NR = 1.00 | 1.12 | 4720 | 22400 | 2.19 | 1104 | 94.7 | 344 | 1765 |
| | P2 = 9.26 | RAM | 1.00 | 1.84 | -.98 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 521 | BLEED | .08 | -3.70 | 2.14 | -.60 | -1.95 | .08 | -.00 |
| | ERI = 0 | POWER | .12 | -1.84 | 2.22 | .06 | .21 | .12 | -.01 |
| .50 | NR = 1.00 | 1.19 | 6180 | 23400 | 2.18 | 1116 | 99.0 | 361 | 1765 |
| | P2 = 9.84 | RAM | 1.00 | 1.84 | -.98 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 531 | BLEED | .05 | -3.77 | 2.25 | -.57 | -1.92 | .05 | -.00 |
| | ERI = 0 | POWER | .05 | -1.80 | 2.16 | .06 | .19 | .05 | -.00 |
| .60 | NR = 1.00 | 1.28 | 7830 | 24400 | 2.20 | 1130 | 104.4 | 381 | 1765 |
| | P2 = 10.58 | RAM | 1.00 | 1.84 | -.97 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 542 | BLEED | .05 | -3.83 | 2.33 | -.54 | -1.89 | .05 | .00 |
| | ERI = 0 | POWER | .00 | -1.73 | 2.06 | .05 | .18 | .00 | -.00 |
| .90 | NR = 1.00 | 1.69 | 14500 | 29500 | 2.18 | 1188 | 127.8 | 470 | 1765 |
| | P2 = 14.03 | RAM | 1.00 | 1.73 | -.84 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 587 | BLEED | .14 | -3.83 | 2.39 | -.53 | -1.83 | .14 | -.01 |
| | ERI = 0 | POWER | .04 | -1.38 | 1.65 | .03 | .14 | .04 | .00 |
| 1.15 | NR = .994 | 2.26 | 22900 | 35900 | 2.14 | 1252 | 156.0 | 580 | 1765 |
| | P2 = 18.76 | RAM | 1.01 | 1.65 | -.73 | -.00 | 1.01 | 1.01 | -.00 |
| | T2 = 639 | BLEED | .08 | -4.27 | 2.87 | -.55 | -1.85 | .08 | .01 |
| | ERI = 0 | POWER | -.01 | -1.45 | 1.71 | .03 | .13 | -.01 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|------|------|-------|
| .30 | 1.06 | 2.10 | 47509 | 2872 | 2106 | 26600 | 23200 | 2.05 | 550 | 6.6 |
| | RAM | 1.02 | .95 | -.01 | -.04 | 1.62 | 1.72 | -.84 | .00 | .00 |
| | BLEED | -3.08 | -1.68 | -.78 | 1.76 | -3.27 | -3.77 | 2.22 | .11 | .00 |
| | POWER | -3.79 | .38 | -.20 | 3.80 | -2.30 | -2.67 | 3.10 | .20 | .00 |
| .40 | 1.12 | 2.17 | 49029 | 2870 | 2114 | 28700 | 24000 | 2.04 | 548 | 6.6 |
| | RAM | 1.02 | .95 | -.01 | -.03 | 1.60 | 1.71 | -.84 | .00 | .00 |
| | BLEED | -3.08 | -1.68 | -.75 | 1.75 | -3.21 | -3.85 | 2.31 | .08 | .00 |
| | POWER | -3.60 | .36 | -.15 | 3.57 | -2.13 | -2.57 | 2.98 | .12 | .00 |
| .50 | 1.19 | 2.25 | 51029 | 2868 | 2127 | 31100 | 24900 | 2.05 | 545 | 6.6 |
| | RAM | 1.01 | .95 | -.01 | -.02 | 1.57 | 1.71 | -.82 | .00 | .00 |
| | BLEED | -3.06 | -1.66 | -.72 | 1.72 | -3.10 | -3.89 | 2.37 | .05 | .00 |
| | POWER | -3.38 | .33 | -.10 | 3.30 | -1.94 | -2.43 | 2.81 | .05 | .00 |
| .60 | 1.28 | 2.36 | 53542 | 2867 | 2141 | 33700 | 25800 | 2.07 | 541 | 6.6 |
| | RAM | 1.01 | .95 | -.01 | -.02 | 1.53 | 1.69 | -.80 | .00 | .00 |
| | BLEED | -3.06 | -1.63 | -.69 | 1.73 | -2.98 | -3.90 | 2.42 | .05 | .00 |
| | POWER | -3.17 | .31 | -.06 | 3.08 | -1.73 | -2.26 | 2.61 | .00 | .00 |
| .90 | 1.69 | 2.82 | 64295 | 2862 | 2197 | 45100 | 30600 | 2.10 | 523 | 6.6 |
| | RAM | 1.01 | .96 | -.01 | -.02 | 1.43 | 1.63 | -.72 | .00 | .00 |
| | BLEED | -3.13 | -1.58 | -.69 | 1.90 | -2.61 | -3.91 | 2.47 | .14 | .00 |
| | POWER | -2.63 | .25 | -.05 | 2.61 | -1.14 | -1.69 | 1.97 | .04 | .00 |
| 1.15 | 2.26 | 3.37 | 77019 | 2851 | 2259 | 59500 | 36700 | 2.10 | 505 | 6.6 |
| | RAM | 1.02 | .98 | -.01 | -.01 | 1.37 | 1.59 | -.66 | .00 | .00 |
| | BLEED | -3.59 | -1.58 | -.63 | 2.35 | -2.58 | -4.24 | 2.84 | .08 | .00 |
| | POWER | -2.48 | .23 | -.01 | 2.45 | -.91 | -1.47 | 1.74 | -.01 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 3410 | 18000 | 1.85 | 1096 | 91.5 | 332 | 1765 |
| | P2 = 8.83 | RAM | 1.00 | 1.72 | -.83 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 514 | BLEED | .11 | -3.78 | 2.26 | -.63 | -1.96 | .11 | -.00 |
| | ERI = 0 | POWER | .20 | -2.58 | 3.08 | .07 | .23 | .20 | -.01 |
| .40 | NR = 1.00 | 1.12 | 4720 | 18400 | 1.87 | 1104 | 94.7 | 344 | 1765 |
| | P2 = 9.26 | RAM | 1.00 | 1.73 | -.83 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 521 | BLEED | .08 | -3.91 | 2.41 | -.60 | -1.95 | .08 | -.00 |
| | ERI = 0 | POWER | .12 | -2.52 | 2.99 | .06 | .21 | .12 | -.01 |
| .50 | NR = 1.00 | 1.19 | 6180 | 18900 | 1.90 | 1116 | 99.0 | 361 | 1765 |
| | P2 = 9.84 | RAM | 1.00 | 1.84 | -.96 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 531 | BLEED | .05 | -3.84 | 2.36 | -.57 | -1.92 | .05 | -.00 |
| | ERI = 0 | POWER | .05 | -1.53 | 1.95 | .06 | .19 | .05 | -.00 |
| .60 | NR = 1.00 | 1.28 | 7830 | 19700 | 1.91 | 1130 | 104.4 | 381 | 1765 |
| | P2 = 10.58 | RAM | 1.00 | 1.96 | -1.10 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 542 | BLEED | .05 | -3.96 | 2.52 | -.54 | -1.89 | .05 | .00 |
| | ERI = 0 | POWER | .00 | -1.53 | 1.92 | .05 | .18 | .00 | -.00 |
| .90 | NR = 1.00 | 1.69 | 14500 | 23600 | 1.92 | 1188 | 127.8 | 470 | 1765 |
| | P2 = 14.03 | RAM | 1.00 | 1.87 | -.99 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 587 | BLEED | .14 | -3.99 | 2.61 | -.53 | -1.83 | .14 | -.01 |
| | ERI = 0 | POWER | .04 | -1.16 | 1.48 | .03 | .14 | .04 | .00 |
| 1.15 | NR = .994 | 2.26 | 22900 | 28700 | 1.88 | 1252 | 156.0 | 580 | 1765 |
| | P2 = 18.76 | RAM | 1.01 | 1.79 | -.89 | -.00 | 1.01 | 1.01 | -.00 |
| | T2 = 639 | BLEED | .08 | -4.38 | 3.07 | -.55 | -1.85 | .08 | .01 |
| | ERI = 0 | POWER | -.01 | -1.11 | 1.41 | .03 | .13 | -.01 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| M0 | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|------|------|-------|
| .30 | 1.06 | 2.14 | 33432 | 2294 | 1826 | 23700 | 20300 | 1.64 | 550 | 6.6 |
| | RAM | 1.01 | .97 | -.01 | -.03 | 1.61 | 1.71 | -.81 | .00 | .00 |
| | BLEED | -3.01 | -1.64 | -.79 | 1.70 | -3.16 | -3.71 | 2.19 | .11 | .00 |
| | POWER | -3.64 | .45 | -.21 | 3.63 | -2.14 | -2.53 | 3.03 | .20 | .00 |
| .40 | 1.12 | 2.21 | 34504 | 2294 | 1833 | 25600 | 20900 | 1.65 | 548 | 6.6 |
| | RAM | 1.01 | .97 | -.01 | -.03 | 1.58 | 1.71 | -.81 | .00 | .00 |
| | BLEED | -3.02 | -1.64 | -.76 | 1.69 | -3.10 | -3.82 | 2.31 | .08 | .00 |
| | POWER | -3.45 | .43 | -.16 | 3.42 | -1.98 | -2.45 | 2.93 | .12 | .00 |
| .50 | 1.19 | 2.29 | 35911 | 2294 | 1844 | 27700 | 21500 | 1.67 | 545 | 6.6 |
| | RAM | 1.01 | .97 | -.00 | -.02 | 1.55 | 1.71 | -.81 | .00 | .00 |
| | BLEED | -2.99 | -1.62 | -.73 | 1.67 | -3.00 | -3.88 | 2.40 | .05 | .00 |
| | POWER | -3.25 | .40 | -.12 | 3.18 | -1.81 | -2.34 | 2.78 | .05 | .00 |
| .60 | 1.28 | 2.40 | 37677 | 2294 | 1857 | 30000 | 22100 | 1.70 | 541 | 6.6 |
| | RAM | 1.01 | .97 | -.00 | -.02 | 1.52 | 1.70 | -.80 | .00 | .00 |
| | BLEED | -2.99 | -1.59 | -.70 | 1.69 | -2.89 | -3.93 | 2.48 | .05 | .00 |
| | POWER | -3.04 | .37 | -.07 | 2.97 | -1.62 | -2.19 | 2.60 | .00 | .00 |
| .90 | 1.69 | 2.88 | 45198 | 2296 | 1905 | 40100 | 25700 | 1.76 | 523 | 6.6 |
| | RAM | 1.01 | .98 | -.00 | -.02 | 1.42 | 1.65 | -.74 | .00 | .00 |
| | BLEED | -3.04 | -1.54 | -.70 | 1.84 | -2.53 | -4.03 | 2.66 | .14 | .00 |
| | POWER | -2.52 | .30 | -.07 | 2.51 | -1.06 | -1.68 | 2.02 | .04 | .00 |
| 1.15 | 2.26 | 3.44 | 54029 | 2294 | 1960 | 53000 | 30100 | 1.79 | 505 | 6.6 |
| | RAM | 1.02 | .99 | -.00 | -.01 | 1.36 | 1.62 | -.69 | .00 | .00 |
| | BLEED | -3.48 | -1.51 | -.64 | 2.25 | -2.50 | -4.45 | 3.15 | .08 | .00 |
| | POWER | -2.37 | .28 | -.02 | 2.33 | -.85 | -1.49 | 1.80 | -.01 | .00 |

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| .30 | NR = | 1.00 | 1.06 | 3410 | 14500 | 1.33 | 1096 | 91.5 | 332 | 1765 |
| | P2 = | 8.83 | RAM | 1.00 | 1.73 | -.79 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = | 514 | BLEED | .11 | -3.78 | 2.36 | -.63 | -1.96 | .11 | -.00 |
| | ERI = | 0 | POWER | .20 | -2.49 | 3.17 | .07 | .23 | .20 | -.01 |
| .40 | NR = | 1.00 | 1.12 | 4720 | 14600 | 1.36 | 1104 | 94.7 | 344 | 1765 |
| | P2 = | 9.26 | RAM | 1.00 | 1.75 | -.81 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = | 521 | BLEED | .08 | -3.97 | 2.57 | -.60 | -1.95 | .08 | -.00 |
| | ERI = | 0 | POWER | .12 | -2.48 | 3.12 | .06 | .21 | .12 | -.01 |
| .50 | NR = | 1.00 | 1.19 | 6180 | 14700 | 1.41 | 1116 | 99.0 | 361 | 1765 |
| | P2 = | 9.84 | RAM | 1.00 | 1.77 | -.83 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = | 531 | BLEED | .05 | -4.13 | 2.77 | -.57 | -1.92 | .05 | -.00 |
| | ERI = | 0 | POWER | .05 | -2.42 | 3.03 | .06 | .19 | .05 | -.00 |
| .60 | NR = | 1.00 | 1.28 | 7830 | 14800 | 1.47 | 1130 | 104.4 | 381 | 1765 |
| | P2 = | 10.58 | RAM | 1.00 | 1.78 | -.84 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = | 542 | BLEED | .05 | -4.29 | 2.98 | -.54 | -1.89 | .05 | .00 |
| | ERI = | 0 | POWER | .00 | -2.33 | 2.90 | .05 | .18 | .00 | -.00 |
| .90 | NR = | 1.00 | 1.69 | 14500 | 15900 | 1.64 | 1188 | 127.8 | 470 | 1765 |
| | P2 = | 14.03 | RAM | 1.00 | 1.78 | -.85 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = | 587 | BLEED | .14 | -4.79 | 3.62 | -.53 | -1.83 | .14 | -.01 |
| | ERI = | 0 | POWER | .04 | -1.95 | 2.42 | .03 | .14 | .04 | .00 |
| 1.15 | NR = | .994 | 2.26 | 22900 | 18300 | 1.69 | 1252 | 156.0 | 580 | 1765 |
| | P2 = | 18.76 | RAM | 1.01 | 2.23 | -1.37 | -.00 | 1.01 | 1.01 | -.00 |
| | T2 = | 639 | BLEED | .08 | -5.36 | 4.36 | -.55 | -1.85 | .08 | .01 |
| | ERI = | 0 | POWER | -.01 | -1.14 | 1.56 | .03 | .13 | -.01 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|------|------|-------|
| | 1.06 | 2.18 | 19355 | 1617 | 1491 | 19900 | 16500 | 1.18 | 550 | 6.6 |
| | RAM | 1.01 | 1.01 | .01 | -.03 | 1.60 | 1.72 | -.78 | .00 | .00 |
| | BLEED | -2.74 | -1.56 | -.79 | 1.66 | -3.04 | -3.69 | 2.26 | .11 | .00 |
| | POWER | -3.49 | .63 | -.24 | 3.48 | -1.98 | -2.43 | 3.11 | .20 | .00 |
| .40 | 1.12 | 2.25 | 19978 | 1618 | 1497 | 21400 | 16700 | 1.20 | 548 | 6.6 |
| | RAM | 1.01 | 1.01 | .01 | -.03 | 1.57 | 1.73 | -.79 | .00 | .00 |
| | BLEED | -2.95 | -1.55 | -.76 | 1.65 | -2.98 | -3.85 | 2.44 | .08 | .00 |
| | POWER | -3.31 | .60 | -.20 | 3.27 | -1.84 | -2.40 | 3.04 | .12 | .00 |
| .50 | 1.19 | 2.34 | 20793 | 1621 | 1507 | 23200 | 17000 | 1.22 | 545 | 6.6 |
| | RAM | 1.01 | 1.01 | .02 | -.02 | 1.54 | 1.74 | -.80 | .00 | .00 |
| | BLEED | -2.93 | -1.53 | -.73 | 1.63 | -2.90 | -3.97 | 2.59 | .05 | .00 |
| | POWER | -3.11 | .56 | -.15 | 3.03 | -1.69 | -2.33 | 2.93 | .05 | .00 |
| .60 | 1.28 | 2.46 | 21811 | 1624 | 1517 | 25100 | 17300 | 1.26 | 541 | 6.6 |
| | RAM | 1.01 | 1.01 | .01 | -.03 | 1.51 | 1.74 | -.80 | .00 | .00 |
| | BLEED | -2.92 | -1.50 | -.70 | 1.64 | -2.79 | -4.08 | 2.75 | .05 | .00 |
| | POWER | -2.92 | .52 | -.12 | 2.82 | -1.52 | -2.22 | 2.78 | .00 | .00 |
| .90 | 1.69 | 2.94 | 26101 | 1637 | 1556 | 33600 | 19200 | 1.36 | 523 | 6.6 |
| | RAM | 1.01 | 1.01 | .01 | -.03 | 1.41 | 1.72 | -.78 | .00 | .00 |
| | BLEED | -2.97 | -1.42 | -.69 | 1.80 | -2.44 | -4.39 | 3.18 | .14 | .00 |
| | POWER | -2.41 | .43 | -.11 | 2.39 | -1.00 | -1.79 | 2.25 | .04 | .00 |
| 1.15 | 2.26 | 3.52 | 31038 | 1647 | 1606 | 44500 | 21700 | 1.43 | 505 | 6.6 |
| | RAM | 1.02 | 1.02 | .01 | -.00 | 1.35 | 1.72 | -.77 | .03 | .00 |
| | BLEED | -3.38 | -1.35 | -.61 | 2.15 | -2.39 | -5.01 | 3.96 | .08 | .00 |
| | POWER | -2.26 | .40 | -.05 | 2.18 | -.80 | -1.64 | 2.07 | -.01 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 3410 | 12500 | .93 | 1096 | 91.5 | 332 | 1765 |
| | P2 = 8.83 | RAM | 1.00 | 1.63 | -.67 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 514 | BLEED | .11 | -3.94 | 2.82 | -.63 | -1.96 | .11 | -.00 |
| | ERI = 0 | POWER | .20 | -3.26 | 4.24 | .07 | .23 | .20 | -.01 |
| .40 | NR = 1.00 | 1.12 | 4720 | 12400 | .97 | 1104 | 94.7 | 344 | 1765 |
| | P2 = 9.26 | RAM | 1.00 | 1.64 | -.68 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 521 | BLEED | .08 | -4.08 | 2.97 | -.60 | -1.95 | .08 | -.00 |
| | ERI = 0 | POWER | .12 | -3.36 | 4.31 | .06 | .21 | .12 | -.01 |
| .50 | NR = 1.00 | 1.19 | 6180 | 12200 | 1.02 | 1116 | 99.0 | 361 | 1765 |
| | P2 = 9.84 | RAM | 1.00 | 1.64 | -.69 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 531 | BLEED | .05 | -3.86 | 2.75 | -.57 | -1.92 | .05 | -.00 |
| | ERI = 0 | POWER | .05 | -1.92 | 2.76 | .06 | .19 | .05 | -.00 |
| .60 | NR = 1.00 | 1.28 | 7830 | 12300 | 1.06 | 1130 | 104.4 | 381 | 1765 |
| | P2 = 10.58 | RAM | 1.00 | 2.09 | -1.21 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 542 | BLEED | .05 | -4.50 | 3.49 | -.54 | -1.89 | .05 | .00 |
| | ERI = 0 | POWER | .00 | -2.00 | 2.79 | .05 | .18 | .00 | -.00 |
| .90 | NR = 1.00 | 1.69 | 14500 | 13500 | 1.14 | 1188 | 127.8 | 470 | 1765 |
| | P2 = 14.03 | RAM | 1.00 | 2.05 | -1.15 | -.00 | 1.01 | 1.00 | .00 |
| | T2 = 587 | BLEED | .14 | -4.97 | 4.14 | -.53 | -1.83 | .14 | -.01 |
| | ERI = 0 | POWER | .04 | -1.75 | 2.41 | .03 | .14 | .04 | .00 |
| 1.15 | NR = .994 | 2.26 | 22900 | 14900 | 1.20 | 1252 | 156.0 | 580 | 1765 |
| | P2 = 18.75 | RAM | 1.01 | 2.02 | -1.11 | -.00 | 1.01 | 1.01 | -.00 |
| | T2 = 639 | BLEED | .08 | -5.89 | 5.39 | -.55 | -1.85 | .08 | .01 |
| | ERI = 0 | POWER | -.01 | -1.75 | 2.39 | .03 | .13 | -.01 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|------|------|-------|
| .30 | 1.06 | 2.21 | 11656 | 1226 | 1281 | 17300 | 13800 | .84 | 550 | 6.6 |
| | RAM | 1.01 | 1.01 | .00 | -.05 | 1.58 | 1.72 | -.78 | .00 | .00 |
| | BLEED | -2.91 | -1.29 | -.67 | 1.74 | -2.91 | -3.66 | 2.51 | .11 | .00 |
| | POWER | -3.40 | .90 | -.29 | 3.42 | -1.91 | -2.43 | 3.38 | .20 | .00 |
| .40 | 1.12 | 2.28 | 12006 | 1228 | 1285 | 18600 | 13900 | .86 | 548 | 6.6 |
| | RAM | 1.01 | 1.01 | .00 | -.05 | 1.55 | 1.74 | -.80 | .00 | .00 |
| | BLEED | -2.91 | -1.29 | -.65 | 1.72 | -2.87 | -3.87 | 2.74 | .08 | 85.86 |
| | POWER | -3.23 | .85 | -.25 | 3.21 | -1.78 | -2.43 | 3.34 | .12 | .00 |
| .50 | 1.19 | 2.37 | 12459 | 1230 | 1293 | 20100 | 13900 | .89 | 545 | 15.1 |
| | RAM | 1.01 | 1.01 | .00 | -.05 | 1.52 | 1.75 | -.82 | .00 | 11.26 |
| | BLEED | -2.89 | -1.27 | -.62 | 1.70 | -2.79 | -4.04 | 2.95 | .05 | .00 |
| | POWER | -3.04 | .80 | -.21 | 2.97 | -1.65 | -2.40 | 3.25 | .05 | .00 |
| .60 | 1.28 | 2.49 | 13023 | 1233 | 1301 | 21800 | 14000 | .93 | 541 | 15.1 |
| | RAM | 1.01 | 1.01 | .00 | -.05 | 1.49 | 1.77 | -.83 | .00 | .00 |
| | BLEED | -2.89 | -1.24 | -.61 | 1.71 | -2.69 | -4.22 | 3.18 | .05 | .00 |
| | POWER | -2.85 | .75 | -.18 | 2.76 | -1.49 | -2.33 | 3.13 | .00 | .00 |
| .90 | 1.69 | 2.98 | 15343 | 1247 | 1332 | 29200 | 14700 | 1.04 | 523 | 15.1 |
| | RAM | 1.01 | 1.01 | .00 | -.05 | 1.40 | 1.79 | -.86 | .00 | .00 |
| | BLEED | -2.93 | -1.13 | -.59 | 1.89 | -2.34 | -4.78 | 3.92 | .14 | .00 |
| | POWER | -2.35 | .63 | -.17 | 2.36 | -.98 | -1.99 | 2.67 | .04 | .00 |
| 1.15 | 2.26 | 3.57 | 17907 | 1260 | 1377 | 38700 | 15800 | 1.13 | 505 | 15.1 |
| | RAM | 1.02 | 1.02 | .00 | -.01 | 1.34 | 1.82 | -.89 | .00 | .00 |
| | BLEED | -3.33 | -.98 | -.49 | 2.18 | -2.28 | -5.70 | 5.17 | .08 | .00 |
| | POWER | -2.20 | .59 | -.09 | 2.11 | -.78 | -1.91 | 2.55 | -.01 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 3240 | 11100 | .95 | 1066 | 85.0 | 315 | 1709 |
| | P2 = 8.83 | RAM | 1.03 | 1.57 | -.69 | -.01 | .99 | 1.03 | -.05 |
| | T2 = 514 | BLEED | .12 | -.52 | 2.71 | -.38 | -1.04 | .12 | 2.19 |
| | ERI = 0 | POWER | -.69 | 2.50 | 5.02 | .53 | 1.82 | -.69 | 4.25 |
| .40 | NR = 1.00 | 1.12 | 4470 | 10900 | .99 | 1075 | 88.0 | 326 | 1716 |
| | P2 = 9.26 | RAM | 1.03 | 1.61 | -.74 | -.01 | .99 | 1.03 | -.06 |
| | T2 = 521 | BLEED | .26 | -1.00 | 2.88 | -.40 | -1.13 | .26 | 1.93 |
| | ERI = 0 | POWER | -.67 | 2.86 | 4.40 | .51 | 1.75 | -.67 | 4.10 |
| .50 | NR = 1.00 | 1.19 | 5840 | 11400 | 1.00 | 1087 | 92.2 | 341 | 1727 |
| | P2 = 9.84 | RAM | 1.03 | 1.62 | -.74 | -.01 | .99 | 1.03 | -.05 |
| | T2 = 531 | BLEED | .46 | -1.92 | 3.15 | -.44 | -1.28 | .46 | 1.47 |
| | ERI = 0 | POWER | -.46 | 2.44 | 3.92 | .44 | 1.51 | -.46 | 3.53 |
| .60 | NR = 1.00 | 1.28 | 7390 | 11300 | 1.06 | 1102 | 97.3 | 360 | 1739 |
| | P2 = 10.58 | RAM | 1.03 | 1.63 | -.75 | -.01 | .99 | 1.03 | -.05 |
| | T2 = 542 | BLEED | .61 | -3.04 | 3.68 | -.47 | -1.43 | .61 | 1.01 |
| | ERI = 0 | POWER | .17 | .42 | 4.04 | .30 | 1.04 | .17 | 2.29 |
| .90 | NR = 1.00 | 1.69 | 13500 | 11800 | 1.18 | 1151 | 115.4 | 438 | 1765 |
| | P2 = 14.03 | RAM | 1.00 | 2.16 | -1.29 | .00 | 1.01 | 1.00 | .00 |
| | T2 = 587 | BLEED | .50 | -4.91 | 4.03 | -.61 | -1.89 | .50 | -.01 |
| | ERI = 0 | POWER | .47 | -1.79 | 2.57 | .05 | .17 | .47 | -.00 |
| 1.15 | NR = .994 | 2.26 | 20400 | 12300 | 1.24 | 1196 | 133.1 | 519 | 1759 |
| | P2 = 18.76 | RAM | 1.01 | 2.23 | -1.38 | -.00 | 1.01 | 1.01 | -.01 |
| | T2 = 639 | BLEED | .61 | -5.42 | 4.99 | -.60 | -1.92 | .61 | .24 |
| | ERI = 0 | POWER | .44 | -1.03 | 2.38 | .08 | .30 | .44 | .38 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|------|------|--------|
| .30 | 1.06 | 2.12 | 10469 | 1190 | 1249 | 15800 | 12500 | .84 | 523 | 15.1 |
| | RAM | .95 | .93 | -.05 | .00 | 1.57 | 1.72 | -.85 | .03 | .00 |
| | BLEED | -.22 | 2.17 | 1.19 | .00 | -.40 | -.54 | 2.73 | .12 | .00 |
| | POWER | 1.37 | 7.59 | 3.66 | .00 | 1.97 | 2.66 | 4.86 | -.69 | .00 |
| .40 | 1.12 | 2.20 | 10829 | 1196 | 1249 | 17100 | 12600 | .86 | 519 | 15.1 |
| | RAM | .94 | .93 | -.06 | .00 | 1.54 | 1.73 | -.88 | .03 | .00 |
| | BLEED | -.58 | 1.80 | .90 | .35 | -.61 | -.92 | 2.76 | .26 | -37.53 |
| | POWER | 1.35 | 7.33 | 3.51 | .00 | 1.83 | 2.72 | 4.53 | -.67 | .00 |
| .50 | 1.19 | 2.31 | 11340 | 1205 | 1249 | 18600 | 12700 | .89 | 515 | 6.6 |
| | RAM | .96 | .94 | -.05 | .00 | 1.51 | 1.73 | -.87 | .03 | -25.76 |
| | BLEED | -1.18 | 1.14 | .44 | .86 | -.93 | -1.57 | 2.78 | .46 | .00 |
| | POWER | .88 | 6.42 | 2.93 | .14 | 1.58 | 2.52 | 3.84 | -.46 | .00 |
| .60 | 1.28 | 2.44 | 11952 | 1216 | 1249 | 20200 | 12800 | .93 | 510 | 6.6 |
| | RAM | .96 | .94 | -.04 | .00 | 1.48 | 1.74 | -.87 | .03 | .00 |
| | BLEED | -1.77 | .47 | .01 | 1.39 | -1.27 | -2.36 | 2.93 | .61 | .00 |
| | POWER | -.51 | 4.47 | 1.59 | 1.43 | .79 | 1.15 | 3.30 | .17 | .00 |
| .90 | 1.69 | 2.93 | 13953 | 1232 | 1258 | 26900 | 13400 | 1.04 | 488 | 15.1 |
| | RAM | 1.01 | 1.01 | .01 | -.06 | 1.41 | 1.82 | -.88 | .00 | .00 |
| | BLEED | -2.82 | -1.17 | -.77 | 2.05 | -2.05 | -4.63 | 3.72 | .50 | .00 |
| | POWER | -2.72 | .75 | -.37 | 3.08 | -.83 | -2.14 | 2.93 | .47 | .00 |
| 1.15 | 2.26 | 3.50 | 15357 | 1236 | 1249 | 34000 | 13600 | 1.13 | 451 | 15.1 |
| | RAM | 1.01 | 1.01 | -.00 | .00 | 1.34 | 1.85 | -.92 | .00 | .00 |
| | BLEED | -2.52 | -.83 | -.62 | 1.76 | -1.58 | -4.86 | 4.34 | .61 | .00 |
| | POWER | -1.82 | 1.33 | -.02 | 2.17 | -.16 | -1.07 | 2.43 | .44 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|-------|-------|-------|-------|-------|------|-------|------|------|
| .30 | NR = | 1.00 | 2720 | 6730 | .97 | 974 | 62.9 | 265 | 1466 |
| | P2 = | 8.83 | 1.18 | 2.00 | -1.39 | -.02 | .95 | 1.18 | -.17 |
| | T2 = | 514 | .12 | -.60 | 3.21 | -.38 | -1.06 | .12 | 2.42 |
| | ERI = | 0 | POWER | 3.67 | 6.60 | .65 | 2.45 | -.87 | 5.50 |
| .40 | NR = | 1.00 | 3750 | 6370 | 1.03 | 979 | 64.2 | 274 | 1456 |
| | P2 = | 9.26 | 1.13 | 2.03 | -1.42 | -.02 | .95 | 1.13 | -.17 |
| | T2 = | 521 | .11 | -.74 | 3.36 | -.39 | -1.10 | .11 | 2.40 |
| | ERI = | 0 | POWER | 4.38 | 5.97 | .65 | 2.47 | -.74 | 5.52 |
| .50 | NR = | 1.00 | 4880 | 5970 | 1.11 | 986 | 65.9 | 285 | 1444 |
| | P2 = | 9.84 | 1.10 | 2.09 | -1.52 | -.02 | .94 | 1.10 | -.18 |
| | T2 = | 531 | .11 | -.92 | 3.55 | -.41 | -1.14 | .11 | 2.39 |
| | ERI = | 0 | POWER | 5.27 | 5.41 | .67 | 2.54 | -.67 | 5.64 |
| .60 | NR = | 1.00 | 6130 | 5520 | 1.21 | 995 | 67.9 | 298 | 1432 |
| | P2 = | 10.58 | 1.07 | 2.25 | -1.69 | -.02 | .95 | 1.07 | -.17 |
| | T2 = | 542 | .09 | -1.39 | 3.99 | -.43 | -1.22 | .09 | 2.33 |
| | ERI = | 0 | POWER | 6.80 | 3.71 | .65 | 2.48 | -.53 | 5.42 |
| .90 | NR = | 1.00 | 10900 | 4100 | 1.64 | 1027 | 75.8 | 354 | 1382 |
| | P2 = | 14.03 | 1.01 | 2.51 | -1.85 | -.01 | .99 | 1.01 | -.06 |
| | T2 = | 587 | .07 | -2.33 | 5.21 | -.41 | -1.33 | .07 | 2.28 |
| | ERI = | 0 | POWER | 9.30 | 1.87 | .59 | 2.49 | -.32 | 5.32 |
| 1.15 | NR = | .994 | 16600 | 2960 | 2.23 | 1067 | 85.1 | 421 | 1331 |
| | P2 = | 18.76 | 1.02 | 3.20 | -2.80 | -.01 | .98 | 1.02 | -.08 |
| | T2 = | 639 | .08 | -5.41 | 8.53 | -.48 | -1.55 | .08 | 1.92 |
| | ERI = | 0 | POWER | 13.32 | -2.34 | .49 | 2.16 | -.18 | 4.55 |

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GEI 04210

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| M0 | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|-------|------|-------|
| .30 | 1.06 | 1.71 | 6530 | 1022 | 1249 | 10500 | 7740 | .84 | 439 | 15.1 |
| | RAM | .80 | .75 | -.21 | .00 | 1.76 | 1.97 | -1.36 | .19 | .00 |
| | BLEED | -.17 | 2.59 | 1.25 | .00 | -.39 | -.57 | 3.19 | .12 | .00 |
| | POWER | 1.05 | 10.37 | 4.36 | .00 | 2.36 | 3.50 | 6.77 | -.87 | .00 |
| .40 | 1.12 | 1.75 | 6569 | 1017 | 1249 | 11200 | 7450 | .88 | 435 | 15.1 |
| | RAM | .81 | .75 | -.18 | .00 | 1.69 | 1.98 | -1.36 | .13 | .00 |
| | BLEED | -.20 | 2.58 | 1.22 | .00 | -.42 | -.69 | 3.31 | .11 | .00 |
| | POWER | 1.16 | 10.46 | 4.28 | .00 | 2.48 | 4.11 | 6.25 | -.74 | .00 |
| .50 | 1.19 | 1.80 | 6609 | 1009 | 1249 | 12000 | 7130 | .93 | 430 | 15.1 |
| | RAM | .81 | .73 | -.18 | .00 | 1.64 | 2.01 | -1.43 | .11 | .00 |
| | BLEED | -.23 | 2.59 | 1.18 | .00 | -.46 | -.84 | 3.47 | .11 | .00 |
| | POWER | 1.35 | 10.80 | 4.31 | .00 | 2.60 | 4.84 | 5.85 | -.67 | .00 |
| .60 | 1.28 | 1.86 | 6660 | 1002 | 1249 | 12900 | 6750 | .99 | 423 | 15.1 |
| | RAM | .83 | .74 | -.15 | .00 | 1.60 | 2.08 | -1.49 | .08 | .00 |
| | BLEED | -.27 | 2.51 | 1.11 | .00 | -.54 | -1.11 | 3.69 | .09 | .00 |
| | POWER | 1.30 | 10.62 | 4.03 | .00 | 2.58 | 5.41 | 5.09 | -.53 | .00 |
| .90 | 1.69 | 2.15 | 6728 | 979 | 1249 | 16600 | 5670 | 1.19 | 395 | 15.1 |
| | RAM | .95 | .89 | -.04 | .00 | 1.55 | 2.58 | -1.93 | .01 | .00 |
| | BLEED | -.40 | 2.69 | 1.00 | .00 | -.64 | -2.01 | 4.85 | .07 | .00 |
| | POWER | 1.62 | 11.25 | 3.71 | .00 | 2.54 | 8.04 | 3.09 | -.32 | .00 |
| 1.15 | 2.26 | 2.51 | 6621 | 963 | 1249 | 21200 | 4640 | 1.43 | 366 | 6.6 |
| | RAM | .94 | .85 | -.06 | .00 | 1.44 | 2.94 | -2.45 | .01 | .00 |
| | BLEED | -.61 | 2.43 | .69 | .00 | -.81 | -4.00 | 6.84 | .08 | .00 |
| | POWER | 1.19 | 10.82 | 2.94 | .00 | 1.99 | 9.73 | 1.04 | -.18 | .00 |

CONFIDENTIAL

GENERAL ELECTRIC GE4/F-4A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|---------|---------|------|-------|------|------|
| .30 | NR = | 1.00 | 1.06 | 2150 | 1830 | 1.51 | 857 | 38.5 | 209 | 1104 |
| | P2 = | 8.83 | RAM | 1.36 | 2.69 | -3.36 | -.07 | .74 | 1.36 | -.68 |
| | T2 = | 514 | BLEED | .05 | -1.61 | 5.11 | -.44 | -1.31 | .05 | 2.56 |
| | ERI = | 0 | POWER | -.41 | 10.78 | 9.83 | 1.02 | 4.34 | -.41 | 9.02 |
| .40 | NR = | 1.00 | 1.12 | 2970 | 1310 | 2.03 | 861 | 39.0 | 217 | 1078 |
| | P2 = | 9.26 | RAM | 1.31 | 3.23 | -4.20 | -.07 | .73 | 1.31 | -.70 |
| | T2 = | 521 | BLEED | .05 | -2.58 | 6.33 | -.46 | -1.36 | .05 | 2.52 |
| | ERI = | 0 | POWER | -.38 | 15.83 | 5.42 | 1.03 | 4.35 | -.38 | 8.92 |
| .50 | NR = | 1.00 | 1.19 | 3860 | 710 | 3.58 | 866 | 39.5 | 225 | 1045 |
| | P2 = | 9.84 | RAM | 1.12 | 4.34 | -6.03 | -.07 | .73 | 1.12 | -.71 |
| | T2 = | 531 | BLEED | .02 | -5.39 | 10.00 | -.43 | -1.37 | .02 | 2.53 |
| | ERI = | 0 | POWER | -.12 | 31.40 | -8.53 | 1.03 | 4.34 | -.12 | 8.81 |
| .60 | NR = | 1.00 | 1.28 | 4830 | 20 | 134.86 | 872 | 40.3 | 235 | 1005 |
| | P2 = | 10.58 | RAM | 1.08 | 143.26 | 23.30 | -.06 | .75 | 1.08 | -.65 |
| | T2 = | 542 | BLEED | .02 | -249.07 | -92.52 | -.44 | -1.42 | .02 | 2.44 |
| | ERI = | 0 | POWER | -.10 | 1224.57 | -332.72 | .88 | 4.14 | -.10 | 8.23 |
| .90 | NR = | 1.00 | 1.69 | 8530 | -2250 | -.790 | 907 | 44.9 | 277 | 889 |
| | P2 = | 14.03 | RAM | 1.01 | -.59 | .32 | -.04 | .82 | 1.01 | -.47 |
| | T2 = | 587 | BLEED | .01 | 2.82 | 3.01 | -.42 | -1.46 | .01 | 2.17 |
| | ERI = | 0 | POWER | -.02 | -10.00 | 39.68 | .79 | 3.87 | -.02 | 7.50 |
| 1.15 | NR = | .994 | 2.26 | 12700 | -4540 | -.250 | 941 | 49.2 | 323 | 807 |
| | P2 = | 18.76 | RAM | 1.01 | -.03 | -.76 | -.04 | .85 | 1.01 | -.42 |
| | T2 = | 639 | BLEED | .01 | 2.16 | 6.62 | -.56 | -1.71 | .01 | 1.67 |
| | ERI = | 0 | POWER | -.02 | -5.47 | 51.19 | .82 | 3.87 | -.02 | 7.28 |

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CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|--------|--------|------|-------|
| .30 | 1.06 | 1.21 | 2775 | 788 | 1587 | 4410 | 2260 | 1.23 | 347 | 6.6 |
| | RAM | .36 | -.22 | -.58 | .00 | 1.97 | 2.56 | -3.18 | .38 | .00 |
| | BLEED | -.13 | 3.37 | 1.11 | .00 | -.72 | -1.44 | 4.92 | .05 | .00 |
| | POWER | .82 | 20.83 | 5.71 | .00 | 4.74 | 9.64 | 10.97 | -.41 | .00 |
| .40 | 1.12 | 1.22 | 2672 | 775 | 1587 | 4750 | 1770 | 1.51 | 345 | 6.6 |
| | RAM | .37 | -.30 | -.56 | .00 | 1.90 | 2.89 | -3.72 | .33 | .00 |
| | BLEED | -.14 | 3.50 | 1.06 | .00 | -.76 | -2.11 | 5.79 | .05 | .00 |
| | POWER | .84 | 21.42 | 5.50 | .00 | 4.59 | 12.93 | 8.28 | -.38 | .00 |
| .50 | 1.19 | 1.23 | 2530 | 762 | 1587 | 5060 | 1190 | 2.12 | 341 | 6.6 |
| | RAM | .31 | -.38 | -.48 | .00 | 1.62 | 3.23 | -4.30 | .13 | .00 |
| | BLEED | -.16 | 3.81 | 1.06 | .00 | -.82 | -3.52 | 7.74 | .02 | .00 |
| | POWER | .95 | 22.31 | 5.20 | .00 | 4.76 | 20.53 | 1.71 | -.12 | .00 |
| .60 | 1.28 | 1.25 | 2355 | 748 | 1587 | 5370 | 540 | 4.40 | 334 | 6.6 |
| | RAM | .33 | -.35 | -.41 | .00 | 1.59 | 6.21 | -9.51 | .08 | .00 |
| | BLEED | -.18 | 4.07 | .99 | .00 | -.88 | -8.97 | 15.07 | .02 | .00 |
| | POWER | .82 | 22.70 | 4.71 | .00 | 4.31 | 44.12 | -19.57 | -.10 | .00 |
| .90 | 1.69 | 1.33 | 1778 | 719 | 1587 | 6950 | -1580 | -1.125 | 308 | 6.6 |
| | RAM | .40 | -.26 | -.24 | .00 | 1.58 | -1.52 | 1.17 | .01 | .00 |
| | BLEED | -.26 | 5.95 | .85 | .00 | -.99 | 4.43 | 1.43 | .01 | .00 |
| | POWER | .93 | 28.71 | 3.84 | .00 | 3.55 | -15.76 | 46.25 | -.02 | .00 |
| 1.15 | 2.26 | 1.43 | 1147 | 712 | 1587 | 9040 | -3670 | -.310 | 281 | 6.6 |
| | RAM | .50 | -.79 | -.19 | .00 | 1.59 | -.42 | -.37 | .01 | .00 |
| | BLEED | -.38 | 9.00 | .62 | .00 | -1.18 | 2.96 | 5.79 | .01 | .00 |
| | POWER | .91 | 44.97 | 3.33 | .00 | 3.00 | -7.48 | 53.52 | -.02 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|--------|--------|--------|-------|--------|--------|-------|
| .30 | NR = | 1.00 | 1.06 | 1480 | -340 | -3.970 | 753 | 23.2 | 144 | 978 |
| | P2 = | 8.83 | RAM | 1.46 | -.05 | -2.00 | -.17 | .39 | 1.46 | -1.45 |
| | T2 = | 514 | BLEED | .02 | 2.92 | .93 | -.49 | -1.34 | .02 | 2.57 |
| | ERI = | 0 | POWER | -.14 | -36.55 | 87.30 | 2.26 | 8.42 | -.14 | 18.30 |
| .40 | NR = | 1.00 | 1.12 | 2040 | -820 | -1.530 | 756 | 23.4 | 149 | 941 |
| | P2 = | 9.26 | RAM | 1.18 | .60 | -2.29 | -.14 | .49 | 1.18 | -1.21 |
| | T2 = | 521 | BLEED | .02 | 1.37 | 2.81 | -.48 | -1.36 | .02 | 2.54 |
| | ERI = | 0 | POWER | -.13 | -15.18 | 65.54 | 1.95 | 8.15 | -.13 | 17.53 |
| .50 | NR = | 1.00 | 1.19 | 2670 | -1360 | -.830 | 759 | 23.7 | 156 | 896 |
| | P2 = | 9.84 | RAM | 1.16 | .75 | -2.63 | -.13 | .51 | 1.16 | -1.16 |
| | T2 = | 531 | BLEED | .02 | .93 | 3.65 | -.52 | -1.43 | .02 | 2.41 |
| | ERI = | 0 | POWER | -.10 | -12.58 | 67.94 | 2.02 | 8.29 | -.10 | 17.54 |
| .60 | NR = | 1.00 | 1.28 | 3370 | -1950 | -.495 | 762 | 24.0 | 164 | 842 |
| | P2 = | 10.58 | RAM | 1.10 | .78 | -3.14 | -.13 | .49 | 1.10 | -1.18 |
| | T2 = | 542 | BLEED | .02 | .81 | 4.43 | -.55 | -1.50 | .02 | 2.26 |
| | ERI = | 0 | POWER | -.10 | -6.81 | 70.43 | 2.11 | 8.49 | -.10 | 17.61 |
| .90 | NR = | 1.00 | 1.69 | 7430 | -4440 | -.175 | 850 | 34.5 | 241 | 745 |
| | P2 = | 14.03 | RAM | 1.63 | .75 | -.78 | .23 | 1.72 | 1.63 | -.50 |
| | T2 = | 587 | BLEED | -2.40 | .32 | -.32 | -1.76 | -5.59 | -2.40 | .64 |
| | ERI = | 100 | POWER | -17.14 | -6.42 | 6.49 | -6.78 | -22.90 | -17.14 | 2.58 |
| 1.15 | NR = | .994 | 2.26 | 12900 | -5020 | -.210 | 943 | 49.7 | 326 | 789 |
| | P2 = | 18.76 | RAM | 1.49 | -.26 | 2.01 | .22 | 1.77 | 1.49 | -.02 |
| | T2 = | 639 | BLEED | -2.90 | 4.04 | -10.59 | -2.07 | -7.19 | -2.90 | -.91 |
| | ERI = | 100 | POWER | -10.57 | 4.49 | -21.05 | -4.67 | -16.82 | -10.57 | -2.27 |

CONFIDENTIAL

GEI 64219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 15000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FN8 | SFC8 | W2K | BTANG |
|------|-------|-------|--------|-------|------|--------|--------|--------|--------|-------|
| .30 | 1.06 | 1.04 | 1355 | 706 | 2400 | 1250 | -220 | -6.060 | 238 | 6.6 |
| | RAM | .06 | -2.05 | -1.04 | .00 | 1.91 | -1.05 | -.95 | .49 | .00 |
| | BLEED | -.02 | 3.89 | 1.04 | .00 | -.86 | 4.89 | -.93 | .02 | .00 |
| | POWER | .40 | 47.82 | 10.44 | .00 | 10.77 | -61.19 | 115.49 | -.14 | .00 |
| .40 | 1.12 | 1.04 | 1256 | 693 | 2400 | 1340 | -700 | -1.805 | 237 | 6.6 |
| | RAM | .05 | -1.62 | -.74 | .00 | 1.56 | .43 | -2.10 | .19 | .00 |
| | BLEED | -.04 | 4.24 | 1.00 | .00 | -.89 | 1.77 | 2.41 | .02 | .00 |
| | POWER | .36 | 49.45 | 9.67 | .00 | 9.99 | -19.66 | 70.38 | -.13 | .00 |
| .50 | 1.19 | 1.04 | 1128 | 677 | 2400 | 1450 | -1220 | -.925 | 235 | 6.6 |
| | RAM | .07 | -1.77 | -.68 | .00 | 1.56 | .67 | -2.53 | .16 | .00 |
| | BLEED | -.04 | 4.63 | .92 | .00 | -.91 | 1.13 | 3.44 | .02 | .00 |
| | POWER | .37 | 54.57 | 9.20 | .00 | 12.74 | -15.34 | 70.92 | -.10 | .00 |
| .60 | 1.28 | 1.04 | 964 | 660 | 2400 | 1560 | -1810 | -.535 | 232 | 6.6 |
| | RAM | .06 | -2.23 | -.64 | .00 | 1.53 | .73 | -3.07 | .10 | .00 |
| | BLEED | -.05 | 5.29 | .83 | .00 | -1.06 | .95 | 4.28 | .02 | .00 |
| | POWER | .37 | 63.17 | 8.85 | .00 | 9.15 | -8.06 | 71.77 | -.10 | .00 |
| .90 | 1.69 | 1.09 | 780 | 653 | 2400 | 3280 | -4150 | -.190 | 268 | 6.6 |
| | RAM | .26 | .00 | -.18 | .00 | 2.92 | .62 | -.64 | .67 | .00 |
| | BLEED | -.59 | .00 | -.03 | .00 | -6.39 | .75 | -.74 | -2.40 | .00 |
| | POWER | -2.72 | .00 | -.06 | .00 | -32.82 | -4.78 | 4.8 | -17.14 | .00 |
| 1.15 | 2.26 | 1.38 | 1053 | 705 | 1690 | 8670 | -4180 | -.250 | 284 | 6.6 |
| | RAM | .78 | 1.77 | .03 | .00 | 2.62 | -.84 | 2.51 | .51 | .00 |
| | BLEED | -2.19 | -7.19 | -.74 | .00 | -7.35 | 6.32 | -12.34 | -2.90 | .00 |
| | POWER | -6.05 | -16.82 | -1.85 | .00 | -20.22 | 9.43 | -25.5 | -10.57 | .00 |

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CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

25000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 2250 | 18200 | 2.40 | 961 | 63.5 | 237 | 1611 |
| | P2 = 5.81 | RAM | 1.00 | 1.74 | -.91 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 437 | BLEED | .88 | -2.72 | 1.11 | -.69 | -1.97 | .88 | .00 |
| | ERI = 101 | POWER | 1.90 | -1.22 | 1.66 | .09 | .31 | 1.90 | -.00 |
| .60 | NR = 1.00 | 1.28 | 5280 | 22300 | 2.31 | 1009 | 75.8 | 278 | 1680 |
| | P2 = 6.96 | RAM | 1.00 | 1.63 | -.77 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 461 | BLEED | .69 | -2.96 | 1.37 | -.68 | -1.95 | .69 | .01 |
| | ERI = 101 | POWER | 1.35 | -1.50 | 1.98 | .10 | .32 | 1.35 | .04 |
| .90 | NR = 1.00 | 1.69 | 10100 | 29700 | 2.22 | 1079 | 98.5 | 355 | 1765 |
| | P2 = 9.23 | RAM | 1.00 | 1.51 | -.61 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 499 | BLEED | .27 | -3.21 | 1.59 | -.68 | -1.96 | .27 | -.00 |
| | ERI = 0 | POWER | .43 | -1.62 | 1.98 | .07 | .22 | .43 | -.00 |
| 1.20 | NR = .991 | 2.41 | 17600 | 38000 | 2.19 | 1146 | 127.1 | 464 | 1765 |
| | P2 = 13.12 | RAM | 1.01 | 1.40 | -.46 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = 554 | BLEED | .07 | -4.76 | -.56 | -.53 | -1.86 | .07 | .01 |
| | ERI = 0 | POWER | -.01 | -3.40 | -1.69 | .03 | .14 | -.01 | .00 |
| 1.50 | NR = .971 | 3.57 | 29200 | 47400 | 2.05 | 1233 | 166.3 | 616 | 1765 |
| | P2 = 19.44 | RAM | 1.03 | 1.43 | -.43 | -.00 | 1.03 | 1.03 | .00 |
| | T2 = 623 | BLEED | .10 | -6.21 | -.41 | -.55 | -1.84 | .10 | -.01 |
| | ERI = 1 | POWER | .01 | -3.70 | -1.31 | .03 | .11 | .01 | -.02 |

CONFIDENTIAL

GE1 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**P.S. 1.0****JANUARY 1964****STANDARD DAY****PRESSURE ALTITUDE 25000 FEET**

| MO | P2/PO | P8/PO | WFT | T8 | AB | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|
| .30 | 1.06 | 2.23 | 43779 | 3199 | 2291 | 21100 | 18900 | 2.32 | 552 | 6.6 |
| | RAM | 1.01 | .91 | .02 | -.01 | 1.58 | 1.65 | -.80 | .00 | .00 |
| | BLEED | -3.17 | -1.65 | -1.05 | 2.41 | -2.62 | -3.03 | 1.45 | .88 | .00 |
| | POWER | -5.26 | .43 | -1.18 | 6.30 | -1.87 | -2.32 | 2.78 | 1.90 | .00 |
| .60 | 1.28 | 2.66 | 51671 | 3257 | 2279 | 28200 | 22900 | 2.25 | 554 | 6.6 |
| | RAM | 1.01 | .92 | .01 | -.02 | 1.47 | 1.57 | -.70 | .00 | .00 |
| | BLEED | -3.41 | -1.65 | -.93 | 2.54 | -2.49 | -3.22 | 1.65 | .69 | .00 |
| | POWER | -5.22 | .47 | -.84 | 6.00 | -1.60 | -2.28 | 2.78 | 1.35 | .00 |
| .90 | 1.69 | 3.40 | 66081 | 3335 | 2301 | 40300 | 30200 | 2.19 | 555 | 6.6 |
| | RAM | 1.02 | .94 | -.00 | -.02 | 1.36 | 1.48 | -.58 | .00 | .00 |
| | BLEED | -3.20 | -1.70 | -.76 | 2.01 | -2.35 | -3.22 | 1.60 | .27 | .00 |
| | POWER | -3.86 | .33 | -.32 | 4.05 | -1.15 | -1.68 | 2.04 | .43 | .00 |
| 1.20 | 2.41 | 4.26 | 83344 | 3329 | 2389 | 56400 | 38800 | 2.15 | 537 | 6.6 |
| | RAM | 1.02 | .96 | -.01 | -.02 | 1.30 | 1.43 | -.51 | .01 | .00 |
| | BLEED | -2.86 | -5.29 | -2.52 | .34 | -3.30 | -4.83 | -.50 | .07 | .00 |
| | POWER | -2.34 | -5.03 | -2.67 | .60 | -2.36 | -3.42 | -1.66 | -.01 | .00 |
| 1.50 | 3.57 | 5.43 | 97369 | 3159 | 2400 | 77300 | 48100 | 2.03 | 510 | 3.0 |
| | RAM | 1.03 | 1.04 | .00 | .00 | 1.28 | 1.43 | -.43 | .00 | .00 |
| | BLEED | -3.08 | -6.59 | -3.69 | -.02 | -3.81 | -6.19 | -.44 | .10 | .00 |
| | POWER | -1.86 | -4.96 | -3.10 | -.01 | -2.29 | -3.69 | -1.33 | .01 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 2250 | 16200 | 2.08 | 961 | 63.5 | 237 | 1611 |
| | P2 = 5.81 | RAM | 1.00 | 1.76 | -.92 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 437 | BLEED | .88 | -2.81 | 1.22 | -.69 | -1.97 | .88 | .00 |
| | ERI = 101 | POWER | 1.90 | -1.09 | 1.58 | .09 | .31 | 1.90 | -.00 |
| .60 | NR = 1.00 | 1.28 | 5280 | 19700 | 2.02 | 1009 | 75.8 | 278 | 1680 |
| | P2 = 6.96 | RAM | 1.00 | 1.68 | -.81 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 461 | BLEED | .69 | -3.07 | 1.50 | -.68 | -1.95 | .69 | .01 |
| | ERI = 101 | POWER | 1.35 | -1.30 | 1.84 | .10 | .32 | 1.35 | .04 |
| .90 | NR = 1.00 | 1.69 | 10100 | 26200 | 1.94 | 1079 | 98.5 | 355 | 1765 |
| | P2 = 9.23 | RAM | 1.00 | 1.57 | -.67 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 499 | BLEED | .27 | -3.32 | 1.74 | -.68 | -1.96 | .27 | -.00 |
| | ERI = 0 | POWER | .43 | -1.40 | 1.80 | .07 | .22 | .43 | -.00 |
| 1.20 | NR = .991 | 2.41 | 17600 | 33700 | 1.91 | 1146 | 127.1 | 464 | 1765 |
| | P2 = 13.12 | RAM | 1.01 | 1.44 | -.51 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = 554 | BLEED | .07 | -3.24 | 1.71 | -.53 | -1.86 | .07 | .01 |
| | ERI = 0 | POWER | -.01 | -1.02 | 1.28 | .03 | .14 | -.01 | .00 |
| 1.50 | NR = .971 | 3.57 | 29200 | 42800 | 1.92 | 1233 | 166.3 | 616 | 1765 |
| | P2 = 19.44 | RAM | 1.03 | 1.43 | -.49 | -.00 | 1.03 | 1.03 | .00 |
| | T2 = 623 | BLEED | .10 | -3.39 | 1.90 | -.55 | -1.84 | .10 | -.01 |
| | ERI = 0 | POWER | .01 | -.70 | .90 | .03 | .11 | .01 | -.02 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FN8 | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| .30 | 1.06 | 2.27 | 33569 | 2747 | 2066 | 19500 | 17200 | 1.95 | 552 | 6.6 |
| | RAM | 1.01 | .92 | -.00 | -.02 | 1.56 | 1.63 | -.77 | .00 | .00 |
| | BLEED | -3.06 | -1.64 | -1.27 | 2.19 | -2.60 | -3.05 | 1.48 | .88 | .00 |
| | POWER | -5.00 | .48 | -1.45 | 5.90 | -1.75 | -2.23 | 2.74 | 1.90 | .00 |
| .60 | 1.28 | 2.70 | 39757 | 2803 | 2057 | 26000 | 20700 | 1.92 | 554 | 6.6 |
| | RAM | 1.01 | .93 | -.00 | -.03 | 1.45 | 1.56 | -.68 | .00 | .00 |
| | BLEED | -3.30 | -1.63 | -1.13 | 2.35 | -2.48 | -3.28 | 1.74 | .69 | .00 |
| | POWER | -5.00 | .53 | -.98 | 5.69 | -1.49 | -2.22 | 2.78 | 1.35 | .00 |
| .90 | 1.69 | 3.46 | 51042 | 2874 | 2077 | 37000 | 26900 | 1.89 | 555 | 6.6 |
| | RAM | 1.02 | .95 | -.01 | -.02 | 1.35 | 1.48 | -.57 | .00 | .00 |
| | BLEED | -3.11 | -1.67 | -.89 | 1.88 | -2.34 | -3.31 | 1.72 | .27 | .00 |
| | POWER | -3.71 | .37 | -.34 | 3.87 | -1.08 | -1.64 | 2.04 | .43 | .00 |
| 1.20 | 2.41 | 4.33 | 64356 | 2862 | 2152 | 51800 | 34200 | 1.88 | 537 | 6.6 |
| | RAM | 1.02 | .97 | -.01 | -.02 | 1.30 | 1.44 | -.51 | .01 | .00 |
| | BLEED | -3.03 | -1.61 | -.66 | 1.72 | -2.19 | -3.35 | 1.82 | .07 | .00 |
| | POWER | -2.59 | .25 | -.02 | 2.51 | -.77 | -1.16 | 1.43 | -.01 | .00 |
| 1.50 | 3.57 | 5.50 | 82174 | 2849 | 2237 | 72900 | 43700 | 1.88 | 510 | 3.0 |
| | RAM | 1.04 | .99 | -.02 | -.02 | 1.26 | 1.42 | -.46 | .00 | .00 |
| | BLEED | -3.43 | -1.59 | -.61 | 2.20 | -2.08 | -3.54 | 2.06 | .10 | .00 |
| | POWER | -2.21 | .19 | -.01 | 2.19 | -.53 | -.89 | 1.09 | .01 | .00 |

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GEI 84219

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 2250 | 13300 | 1.75 | 961 | 63.5 | 237 | 1611 |
| | P2 = 5.81 | RAM | 1.00 | 1.63 | -.75 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 437 | BLEED | .88 | -3.06 | 1.52 | -.69 | -1.97 | .88 | .00 |
| | ERI = 101 | POWER | 1.90 | -2.12 | 2.73 | .09 | .31 | 1.90 | -.00 |
| .60 | NR = 1.00 | 1.28 | 5280 | 15900 | 1.75 | 1009 | 75.8 | 278 | 1680 |
| | P2 = 6.96 | RAM | 1.00 | 1.78 | -.90 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 461 | BLEED | .69 | -3.06 | 1.53 | -.68 | -1.95 | .69 | .01 |
| | ERI = 101 | POWER | 1.35 | -.72 | 1.35 | .10 | .32 | 1.35 | .04 |
| .90 | NR = 1.00 | 1.69 | 10100 | 21300 | 1.69 | 1079 | 98.5 | 355 | 1765 |
| | P2 = 9.23 | RAM | 1.00 | 1.68 | -.78 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 499 | BLEED | .27 | -3.46 | 1.92 | -.68 | -1.96 | .27 | -.00 |
| | ERI = 0 | POWER | .43 | -1.14 | 1.60 | .07 | .22 | .43 | -.00 |
| 1.20 | NR = .991 | 2.41 | 17600 | 27400 | 1.66 | 1146 | 127.1 | 464 | 1765 |
| | P2 = 13.12 | RAM | 1.01 | 1.54 | -.60 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = 554 | BLEED | .07 | -3.45 | 1.98 | -.53 | -1.86 | .07 | .01 |
| | ERI = 0 | POWER | -.01 | -.92 | 1.23 | .03 | .14 | -.01 | .00 |
| 1.50 | NR = .971 | 3.57 | 29200 | 34800 | 1.66 | 1233 | 166.3 | 616 | 1765 |
| | P2 = 19.44 | RAM | 1.03 | 1.46 | -.49 | -.00 | 1.03 | 1.03 | .00 |
| | T2 = 623 | BLEED | .10 | -3.67 | 2.26 | -.55 | -1.84 | .10 | -.01 |
| | ERI = 0 | POWER | .01 | -.79 | 1.03 | .03 | .11 | .01 | -.02 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| .30 | 1.06 | 2.31 | 23359 | 2172 | 1782 | 17300 | 15000 | 1.56 | 552 | 6.6 |
| | RAM | 1.01 | .95 | .00 | -.02 | 1.54 | 1.62 | -.74 | .00 | .00 |
| | BLEED | -2.97 | -1.62 | -1.32 | 2.11 | -2.49 | -3.00 | 1.45 | .88 | .00 |
| | POWER | -4.76 | .58 | -1.51 | 5.64 | -1.54 | -2.06 | 2.66 | 1.90 | .00 |
| .60 | 1.28 | 2.75 | 27843 | 2228 | 1778 | 23000 | 17700 | 1.57 | 554 | 6.6 |
| | RAM | 1.01 | .96 | .00 | -.03 | 1.44 | 1.57 | -.67 | .00 | .00 |
| | BLEED | -3.21 | -1.60 | -1.16 | 2.28 | -2.39 | -3.31 | 1.80 | .69 | .00 |
| | POWER | -4.78 | .63 | -1.00 | 5.51 | -1.32 | -2.12 | 2.78 | 1.35 | .00 |
| .90 | 1.69 | 3.52 | 36003 | 2296 | 1798 | 32800 | 22700 | 1.59 | 555 | 6.6 |
| | RAM | 1.02 | .97 | -.00 | -.02 | 1.34 | 1.49 | -.57 | .00 | .00 |
| | BLEED | -3.04 | -1.63 | -.89 | 1.82 | -2.27 | -3.40 | 1.87 | .27 | .00 |
| | POWER | -3.56 | .45 | -.35 | 3.73 | -.99 | -1.62 | 2.09 | .43 | .00 |
| 1.20 | 2.41 | 4.42 | 45367 | 2294 | 1865 | 45800 | 28300 | 1.61 | 537 | 6.6 |
| | RAM | 1.02 | .99 | -.01 | -.01 | 1.29 | 1.47 | -.52 | .01 | .00 |
| | BLEED | -2.96 | -1.57 | -.68 | 1.67 | -2.14 | -3.51 | 2.05 | .07 | .00 |
| | POWER | -2.48 | .30 | -.04 | 2.42 | -.73 | -1.18 | 1.50 | -.01 | .00 |
| 1.50 | 3.57 | 5.62 | 57763 | 2292 | 1941 | 64600 | 35400 | 1.63 | 510 | 6.6 |
| | RAM | 1.03 | 1.00 | -.02 | -.01 | 1.26 | 1.45 | -.48 | .00 | .00 |
| | BLEED | -3.33 | -1.53 | -.63 | 2.11 | -2.03 | -3.78 | 2.39 | .10 | .00 |
| | POWER | -2.11 | .23 | -.02 | 2.08 | -.50 | -.92 | 1.16 | .01 | .00 |

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CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 2250 | 10600 | 1.25 | 961 | 63.5 | 237 | 1611 |
| | P2 = 5.81 | RAM | 1.00 | 1.49 | -.97 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 437 | BLEED | .88 | -2.74 | 2.07 | -.69 | -1.97 | .88 | .00 |
| | ERI = 101 | POWER | 1.90 | -2.04 | 2.76 | .09 | .31 | 1.90 | -.00 |
| .60 | NR = 1.00 | 1.28 | 5280 | 11900 | 1.34 | 1009 | 75.8 | 278 | 1680 |
| | P2 = 6.96 | RAM | 1.00 | 1.63 | -.68 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 461 | BLEED | .69 | -3.60 | 2.21 | -.68 | -1.95 | .69 | .01 |
| | ERI = 101 | POWER | 1.35 | -2.24 | 3.16 | .10 | .32 | 1.35 | .04 |
| .90 | NR = 1.00 | 1.69 | 10100 | 14800 | 1.42 | 1079 | 98.5 | 355 | 1765 |
| | P2 = 9.23 | RAM | 1.00 | 1.71 | -.76 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 499 | BLEED | .27 | -3.93 | 2.55 | -.68 | -1.96 | .27 | -.00 |
| | ERI = 0 | POWER | .43 | -1.27 | 1.91 | .07 | .22 | .43 | -.00 |
| 1.20 | NR = .991 | 2.41 | 17600 | 18500 | 1.42 | 1146 | 127.1 | 464 | 1765 |
| | P2 = 13.12 | RAM | 1.01 | 1.82 | -.89 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = 554 | BLEED | .07 | -4.14 | 2.85 | -.53 | -1.86 | .07 | .01 |
| | ERI = 0 | POWER | -.01 | -.92 | 1.36 | .03 | .14 | -.01 | .00 |
| 1.50 | NR = .971 | 3.57 | 29200 | 23700 | 1.41 | 1233 | 166.3 | 616 | 1765 |
| | P2 = 19.44 | RAM | 1.03 | 1.72 | -.75 | -.00 | 1.03 | 1.03 | .00 |
| | T2 = 623 | BLEED | .10 | -4.61 | 3.46 | -.55 | -1.84 | .10 | -.01 |
| | ERI = 0 | POWER | .01 | -1.00 | 1.34 | .03 | .11 | .01 | -.02 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | WZK | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| .30 | 1.06 | 2.36 | 13308 | 1502 | 1440 | 14300 | 12000 | 1.11 | 552 | 6.6 |
| | RAM | 1.02 | .59 | -.26 | -.18 | 1.40 | 1.48 | -.95 | .00 | .00 |
| | BLEED | -2.91 | -.75 | -.80 | 2.38 | -2.11 | -2.67 | 2.00 | .88 | .00 |
| | POWER | -4.53 | .70 | -1.61 | 5.41 | -1.36 | -1.96 | 2.68 | 1.90 | .00 |
| .60 | 1.28 | 2.81 | 15929 | 1547 | 1436 | 19000 | 13700 | 1.16 | 554 | 6.6 |
| | RAM | 1.01 | 1.01 | .02 | -.03 | 1.44 | 1.60 | -.65 | .00 | .00 |
| | BLEED | -3.12 | -1.51 | -1.15 | 2.26 | -2.29 | -3.43 | 2.02 | .69 | .00 |
| | POWER | -4.57 | .89 | -.98 | 5.39 | -1.13 | -2.09 | 3.01 | 1.35 | .00 |
| .90 | 1.69 | 3.59 | 20964 | 1618 | 1463 | 27200 | 17100 | 1.22 | 555 | 6.6 |
| | RAM | 1.01 | 1.01 | .02 | -.00 | 1.34 | 1.54 | -.58 | .00 | .00 |
| | BLEED | -2.97 | -1.53 | -.88 | 1.77 | -2.19 | -3.65 | 2.24 | .27 | .00 |
| | POWER | -3.42 | .63 | -.36 | 3.58 | -.90 | -1.69 | 2.34 | .43 | .00 |
| 1.20 | 2.41 | 4.51 | 26379 | 1631 | 1523 | 38200 | 20600 | 1.28 | 537 | 6.6 |
| | RAM | 1.02 | 1.02 | .01 | -.00 | 1.29 | 1.53 | -.55 | .01 | .00 |
| | BLEED | -2.89 | -1.46 | -.68 | 1.60 | -2.08 | -3.92 | 2.61 | .07 | .00 |
| | POWER | -2.38 | .42 | -.09 | 2.27 | -.70 | -1.30 | 1.74 | -.01 | .00 |
| 1.50 | 3.57 | 5.74 | 33351 | 1645 | 1591 | 54000 | 24800 | 1.34 | 510 | 6.6 |
| | RAM | 1.03 | 1.03 | .00 | -.00 | 1.26 | 1.53 | -.54 | .00 | .00 |
| | BLEED | -3.23 | -1.38 | -.62 | 2.00 | -1.97 | -4.40 | 3.23 | .10 | .00 |
| | POWER | -2.02 | .33 | -.06 | 1.95 | -.48 | -1.06 | 1.41 | .01 | .00 |

GET 84219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| M0 | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|------|------|
| .30 | NR = 1.00 | 1.06 | 2250 | 8810 | .89 | 961 | 63.5 | 237 | 1611 |
| | P2 = 5.81 | RAM | 1.00 | 1.65 | -.69 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 437 | BLEED | .88 | -2.89 | 1.68 | -.69 | -1.97 | .88 | .00 |
| | ERI = 101 | POWER | 1.90 | -1.61 | 2.93 | .09 | .31 | 1.90 | -.00 |
| .60 | NR = 1.00 | 1.28 | 5280 | 9980 | .96 | 1009 | 75.8 | 278 | 1680 |
| | P2 = 6.96 | RAM | 1.00 | 1.91 | -1.00 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 461 | BLEED | .69 | -3.47 | 2.39 | -.68 | -1.95 | .69 | .01 |
| | ERI = 101 | POWER | 1.35 | -1.04 | 2.31 | .10 | .32 | 1.35 | .04 |
| .90 | NR = 1.00 | 1.69 | 10100 | 12600 | 1.01 | 1079 | 98.5 | 355 | 1765 |
| | P2 = 9.23 | RAM | 1.00 | 1.75 | -.81 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 499 | BLEED | .27 | -4.03 | 2.95 | -.68 | -1.96 | .27 | -.00 |
| | ERI = 0 | POWER | .43 | -1.62 | 2.54 | .07 | .22 | .43 | -.00 |
| 1.20 | NR = .991 | 2.41 | 17600 | 14800 | 1.06 | 1146 | 127.1 | 464 | 1765 |
| | P2 = 13.12 | RAM | 1.01 | 1.69 | -.73 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = 554 | BLEED | .07 | -4.58 | 3.64 | -.53 | -1.86 | .07 | .01 |
| | ERI = 0 | POWER | -.01 | -1.56 | 2.20 | .03 | .14 | -.01 | .00 |
| 1.50 | NR = .971 | 3.57 | 29200 | 15600 | 1.24 | 1233 | 166.3 | 616 | 1765 |
| | P2 = 19.44 | RAM | 1.03 | 2.08 | -1.17 | -.00 | 1.03 | 1.03 | .00 |
| | T2 = 623 | BLEED | .10 | -5.89 | 5.31 | -.55 | -1.84 | .10 | -.01 |
| | ERI = 0 | POWER | .01 | -1.32 | 1.84 | .03 | .11 | .01 | -.02 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| .30 | 1.06 | 2.39 | 7808 | 1112 | 1222 | 12200 | 9990 | .780 | 552 | 15.1 |
| | RAM | 1.01 | 1.01 | .01 | -.05 | 1.52 | 1.63 | -.68 | .00 | .00 |
| | BLEED | -2.85 | -1.28 | -1.11 | 2.20 | -2.20 | -2.89 | 1.68 | .88 | 37.53 |
| | POWER | -4.41 | 1.19 | -1.44 | 5.45 | -1.14 | -1.82 | 3.03 | 1.9 | 35.71 |
| .60 | 1.28 | 2.84 | 9549 | 1161 | 1223 | 16400 | 11100 | .86 | 554 | 15.1 |
| | RAM | 1.01 | 1.01 | .01 | -.06 | 1.42 | 1.62 | -.67 | .00 | .00 |
| | BLEED | -3.08 | -1.21 | -.96 | 2.39 | -2.13 | -3.47 | 2.38 | .69 | .00 |
| | POWER | -4.45 | 1.26 | -.90 | 5.39 | -.99 | -2.11 | 3.41 | 1.35 | .00 |
| .90 | 1.69 | 3.63 | 12679 | 1223 | 1249 | 23500 | 13400 | .95 | 555 | 15.1 |
| | RAM | 1.01 | 1.01 | .00 | -.01 | 1.33 | 1.58 | -.61 | .00 | .00 |
| | BLEED | -2.94 | -1.25 | -.74 | 1.83 | -2.08 | -3.86 | 2.76 | .27 | .00 |
| | POWER | -3.33 | .89 | -.37 | 3.52 | -.86 | -1.83 | 2.75 | .43 | .00 |
| 1.20 | 2.41 | 4.57 | 15686 | 1238 | 1302 | 33000 | 15400 | 1.02 | 537 | 15.1 |
| | RAM | 1.02 | 1.02 | .00 | -.01 | 1.28 | 1.59 | -.62 | .01 | .00 |
| | BLEED | -2.86 | -1.19 | -.59 | 1.62 | -2.01 | -4.37 | 3.40 | .07 | .00 |
| | POWER | -2.32 | .62 | -.15 | 2.20 | -.71 | -1.50 | 2.15 | -.01 | .00 |
| 1.50 | 3.57 | 5.82 | 19354 | 1256 | 1363 | 46800 | 17600 | 1.10 | 510 | 6.6 |
| | RAM | 1.03 | 1.03 | .00 | -.00 | 1.26 | 1.63 | -.65 | .00 | .00 |
| | BLEED | -3.18 | -1.05 | -.53 | 2.02 | -1.89 | -5.19 | 4.49 | .10 | .00 |
| | POWER | -1.96 | .49 | -.12 | 1.88 | -.49 | -1.31 | 1.83 | .01 | .00 |

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CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| .30 | NR = | 1.00 | 1.06 | 2270 | 8910 | .85 | 958 | 63.0 | 240 | 1578 |
| | P2 = | 5.81 | RAM | 1.02 | 1.91 | -1.08 | -.01 | .99 | 1.02 | -.05 |
| | T2 = | 437 | BLEED | .24 | -1.71 | 2.61 | -.52 | -1.43 | .24 | 1.41 |
| | ERI = | 101 | POWER | -.40 | 3.11 | 5.86 | .69 | 2.33 | -.40 | 5.09 |
| .60 | NR = | 1.00 | 1.28 | 5240 | 9230 | .95 | 991 | 73.0 | 276 | 1611 |
| | P2 = | 6.96 | RAM | 1.02 | 1.90 | -1.07 | -.01 | .99 | 1.02 | -.05 |
| | T2 = | 461 | BLEED | .07 | -.97 | 2.82 | -.45 | -1.19 | .07 | 2.06 |
| | ERI = | 0 | POWER | -.37 | 4.35 | 3.74 | .63 | 2.08 | -.37 | 4.59 |
| .90 | NR = | 1.00 | 1.69 | 9710 | 10800 | 1.01 | 1044 | 90.8 | 341 | 1664 |
| | P2 = | 9.23 | RAM | 1.00 | 1.88 | -.98 | -.00 | 1.00 | 1.00 | -.01 |
| | T2 = | 499 | BLEED | .11 | -.94 | 3.02 | -.38 | -1.08 | .11 | 2.13 |
| | ERI = | 0 | POWER | -.35 | 3.88 | 2.77 | .48 | 1.63 | -.35 | 3.75 |
| 1.20 | NR = | .991 | 2.41 | 16600 | 13400 | 1.07 | 1115 | 117.1 | 437 | 1737 |
| | P2 = | 13.12 | RAM | 1.01 | 1.74 | -.80 | -.00 | 1.01 | 1.01 | -.01 |
| | T2 = | 554 | BLEED | .43 | -2.70 | 3.39 | -.48 | -1.43 | .43 | 1.07 |
| | ERI = | 0 | POWER | .05 | 1.73 | 2.11 | .26 | .90 | .05 | 1.98 |
| 1.50 | NR = | .971 | 3.57 | 29200 | 15600 | 1.24 | 1233 | 166.3 | 616 | 1765 |
| | P2 = | 19.44 | RAM | 1.03 | 2.08 | -1.17 | -.00 | 1.03 | 1.03 | .00 |
| | T2 = | 623 | BLEED | .10 | -5.89 | 5.31 | -.55 | -1.84 | .10 | -.01 |
| | ERI = | 0 | POWER | .01 | -1.32 | 1.84 | .03 | .11 | .01 | -.02 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|------|------|--------|
| .30 | 1.06 | 2.33 | 7564 | 1086 | 1249 | 12100 | 9780 | .775 | 557 | 6.6 |
| | RAM | .95 | .94 | -.05 | .00 | 1.50 | 1.61 | -.73 | .02 | -25.76 |
| | BLEED | -1.24 | .84 | .44 | .73 | -1.18 | -1.51 | 2.40 | .24 | .00 |
| | POWER | 1.49 | 9.04 | 4.24 | .27 | 2.63 | 3.33 | 5.63 | -.40 | .00 |
| .60 | 1.28 | 2.71 | 8800 | 1113 | 1249 | 15600 | 10300 | .85 | 550 | 15.1 |
| | RAM | .95 | .94 | -.04 | .00 | 1.41 | 1.60 | -.72 | .02 | .00 |
| | BLEED | -.35 | 1.82 | 1.07 | .00 | -.52 | -.82 | 2.67 | .07 | .00 |
| | POWER | 1.55 | 8.17 | 3.80 | .00 | 2.33 | 3.70 | 4.40 | -.37 | .00 |
| .90 | 1.69 | 3.39 | 10990 | 1157 | 1249 | 21400 | 11700 | .94 | 533 | 15.1 |
| | RAM | 1.00 | .99 | -.01 | .00 | 1.34 | 1.63 | -.69 | .01 | .00 |
| | BLEED | -.34 | 2.04 | 1.13 | .00 | -.40 | -.82 | 2.90 | .11 | .00 |
| | POWER | 1.21 | 6.71 | 3.06 | .00 | 1.72 | 3.43 | 3.21 | -.35 | .00 |
| 1.20 | 2.41 | 4.45 | 14247 | 1214 | 1249 | 30600 | 14000 | 1.02 | 506 | 15.1 |
| | RAM | 1.01 | 1.01 | -.00 | .00 | 1.28 | 1.60 | -.65 | .00 | .00 |
| | BLEED | -1.64 | .55 | .14 | 1.12 | -.94 | -2.56 | 3.24 | .43 | .00 |
| | POWER | -.32 | 3.87 | 1.42 | 1.08 | .74 | 1.56 | 2.28 | .05 | .00 |
| 1.50 | 3.57 | 5.82 | 19354 | 1256 | 1363 | 46800 | 17600 | 1.10 | 510 | 6.6 |
| | RAM | 1.03 | 1.03 | .00 | -.00 | 1.26 | 1.63 | -.65 | .00 | .00 |
| | BLEED | -3.18 | -1.05 | -.53 | 2.02 | -1.89 | -5.19 | 4.49 | .10 | .00 |
| | POWER | -1.96 | .49 | -.12 | 1.88 | -.49 | -1.31 | 1.83 | .01 | .00 |

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CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 9.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|-------|------|
| .30 | NR = 1.00 | 1.06 | 2070 | 6610 | .85 | 895 | 52.8 | 218 | 1399 |
| | P2 = 5.81 | RAM | 1.08 | 1.73 | -1.01 | -.02 | .96 | 1.08 | -.14 |
| | T2 = 437 | BLEED | .10 | -.52 | 2.85 | -.38 | -1.00 | .10 | 2.34 |
| | ERI = 0 | POWER | -1.23 | 4.44 | 8.75 | .94 | 3.19 | -1.23 | 7.75 |
| .60 | NR = 1.00 | 1.28 | 4690 | 6510 | .96 | 922 | 59.2 | 247 | 1422 |
| | P2 = 6.96 | RAM | 1.02 | 1.83 | -1.01 | -.01 | .99 | 1.02 | -.04 |
| | T2 = 461 | BLEED | .12 | -.77 | 3.02 | -.42 | -1.07 | .12 | 2.25 |
| | ERI = 0 | POWER | -.79 | 5.49 | 6.18 | .84 | 2.83 | -.79 | 6.71 |
| .90 | NR = 1.00 | 1.69 | 8400 | 6110 | 1.14 | 958 | 68.6 | 295 | 1418 |
| | P2 = 9.23 | RAM | 1.02 | 2.35 | -1.63 | -.01 | .99 | 1.02 | -.06 |
| | T2 = 499 | BLEED | .11 | -1.24 | 3.75 | -.40 | -1.10 | .11 | 2.31 |
| | ERI = 0 | POWER | -.55 | 7.48 | 3.09 | .67 | 2.48 | -.55 | 5.79 |
| 1.20 | NR = .991 | 2.41 | 13700 | 5820 | 1.26 | 1000 | 79.6 | 362 | 1376 |
| | P2 = 13.12 | RAM | 1.01 | 2.61 | -1.85 | -.00 | 1.02 | 1.01 | -.01 |
| | T2 = 554 | BLEED | .09 | -2.30 | 4.85 | -.44 | -1.33 | .09 | 2.16 |
| | ERI = 0 | POWER | -.35 | 8.95 | 1.54 | .62 | 2.40 | -.35 | 5.24 |
| 1.50 | NR = .971 | 3.57 | 29200 | 15600 | 1.24 | 1233 | 166.3 | 616 | 1765 |
| | P2 = 19.44 | RAM | 1.03 | 2.08 | -1.17 | -.00 | 1.03 | 1.03 | .00 |
| | T2 = 623 | BLEED | .10 | -5.89 | 5.31 | -.55 | -1.84 | .10 | -.01 |
| | ERI = 0 | POWER | .01 | -1.32 | 1.84 | .03 | .11 | .01 | -.02 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFC8 | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|
| .30 | 1.06 | 2.01 | 5612 | 970 | 1249 | 9500 | 7430 | .755 | 507 | 15.1 |
| | RAM | .85 | .81 | -.15 | .00 | 1.57 | 1.71 | -.98 | .08 | .00 |
| | BLEED | -.14 | 2.31 | 1.28 | .00 | -.39 | -.53 | 2.86 | .10 | .00 |
| | POWER | 2.52 | 13.31 | 6.43 | .00 | 3.43 | 4.72 | 8.46 | -1.23 | .00 |
| .60 | 1.28 | 2.29 | 6264 | 985 | 1249 | 12000 | 7360 | .85 | 492 | 6.6 |
| | RAM | .96 | .94 | -.04 | .00 | 1.51 | 1.83 | -.98 | .02 | -25.76 |
| | BLEED | -.25 | 2.22 | 1.16 | .00 | -.42 | -.76 | 3.02 | .12 | .00 |
| | POWER | 1.92 | 11.80 | 5.33 | .00 | 3.03 | 5.46 | 6.21 | -.79 | .00 |
| .90 | 1.69 | 2.71 | 6952 | 987 | 1249 | 15600 | 7230 | .96 | 461 | 15.1 |
| | RAM | .95 | .92 | -.05 | .00 | 1.40 | 1.85 | -1.03 | .02 | .00 |
| | BLEED | -.27 | 2.44 | 1.16 | .00 | -.41 | -1.01 | 3.50 | .11 | .00 |
| | POWER | 1.71 | 10.67 | 4.40 | .00 | 2.49 | 6.02 | 4.53 | -.55 | .00 |
| 1.20 | 2.41 | 3.27 | 7307 | 971 | 1249 | 20500 | 6740 | 1.08 | 419 | 15.1 |
| | RAM | 1.01 | 1.00 | -.00 | .00 | 1.37 | 2.09 | -1.22 | .00 | .00 |
| | BLEED | -.44 | 2.39 | .95 | .00 | -.57 | -1.90 | 4.41 | .09 | .00 |
| | POWER | 1.69 | 10.56 | 3.77 | .00 | 2.20 | 7.40 | 3.04 | -.35 | .00 |
| 1.50 | 3.57 | 5.82 | 19354 | 1256 | 1363 | 46800 | 17600 | 1.10 | 510 | 6.6 |
| | RAM | 1.03 | 1.03 | .00 | -.00 | 1.26 | 1.63 | -.65 | .00 | .00 |
| | BLEED | -3.18 | -1.05 | -.53 | 2.02 | -1.89 | -5.19 | 4.49 | .10 | .00 |
| | POWER | -1.96 | .49 | -.12 | 1.88 | -.49 | -1.31 | 1.83 | .01 | .00 |

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S.11.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|--------|--------|------|-------|------|-------|
| .30 | NR = | 1.00 | 1.06 | 1700 | 2190 | 1.09 | 785 | 33.3 | 179 | 999 |
| | P2 = | 5.81 | RAM | 1.07 | 1.88 | -2.08 | -.05 | .79 | 1.07 | -.59 |
| | T2 = | 437 | BLEED | .02 | -1.40 | 4.41 | -.41 | -1.29 | .02 | 2.40 |
| | ERI = | 0 | POWER | -.13 | 11.14 | 11.82 | 1.17 | 5.15 | -.13 | 10.76 |
| .60 | NR = | 1.00 | 1.28 | 3780 | 920 | 2.41 | 798 | 35.1 | 199 | 938 |
| | P2 = | 6.96 | RAM | 1.03 | 3.76 | -4.38 | -.04 | .85 | 1.03 | -.44 |
| | T2 = | 461 | BLEED | .02 | -4.51 | 8.41 | -.41 | -1.37 | .02 | 2.33 |
| | ERI = | 0 | POWER | -.09 | 28.16 | -3.72 | 1.12 | 4.94 | -.09 | 10.07 |
| .90 | NR = | 1.00 | 1.69 | 6720 | -560 | -3.470 | 827 | 38.8 | 236 | 869 |
| | P2 = | 9.23 | RAM | 1.01 | -5.30 | 4.48 | -.02 | .90 | 1.01 | -.30 |
| | T2 = | 499 | BLEED | .01 | 10.21 | -5.08 | -.41 | -1.45 | .01 | 2.25 |
| | ERI = | 0 | POWER | -.03 | -46.88 | 80.83 | .85 | 4.40 | -.03 | 8.85 |
| 1.20 | NR = | .991 | 2.41 | 10800 | -2440 | -.615 | 866 | 43.9 | 284 | 792 |
| | P2 = | 13.12 | RAM | 1.01 | -.99 | 1.35 | -.01 | .95 | 1.01 | -.20 |
| | T2 = | 554 | BLEED | .01 | 3.40 | 3.09 | -.42 | -1.56 | .01 | 2.08 |
| | ERI = | 0 | POWER | -.01 | -11.71 | 46.65 | .72 | 4.15 | -.01 | 8.14 |
| 1.50 | NR = | .971 | 3.57 | 29200 | 12100 | 1.36 | 1222 | 160.5 | 617 | 1593 |
| | P2 = | 19.44 | RAM | 1.03 | 2.36 | -1.51 | -.00 | 1.03 | 1.03 | -.00 |
| | T2 = | 623 | BLEED | .04 | -1.96 | 4.61 | -.34 | -1.14 | .04 | 2.06 |
| | ERI = | 0 | POWER | -.03 | 3.30 | .50 | .19 | .81 | -.03 | 1.88 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|----------|---------|------|-------|
| .30 | 1.06 | 1.32 | 2390 | 713 | 1587 | 4300 | 2600 | .92 | 417 | 6.6 |
| | RAM | .38 | -.00 | -.44 | .00 | 1.53 | 1.83 | -2.01 | .07 | .00 |
| | BLEED | -.20 | 2.92 | 1.08 | .00 | -.78 | -1.30 | 4.30 | .02 | .00 |
| | POWER | 1.57 | 23.21 | 6.90 | .00 | 6.22 | 10.36 | 12.61 | -.13 | .00 |
| .60 | 1.28 | 1.37 | 2203 | 688 | 1587 | 5200 | 1420 | 1.55 | 397 | 6.6 |
| | RAM | .46 | .20 | -.28 | .00 | 1.56 | 2.98 | -3.27 | .03 | .00 |
| | BLEED | -.25 | 3.33 | .99 | .00 | -.86 | -3.22 | 6.88 | .02 | .00 |
| | POWER | 1.58 | 24.24 | 6.05 | .00 | 5.42 | 20.11 | 3.97 | -.09 | .00 |
| .90 | 1.69 | 1.50 | 1950 | 669 | 1587 | 6810 | 90 | 20.53 | 369 | 6.6 |
| | RAM | .58 | .37 | -.17 | .00 | 1.59 | 42.30 | 37.61 | .01 | .00 |
| | BLEED | -.32 | 4.35 | .90 | .00 | -.92 | -66.-142 | 322.02 | .01 | .00 |
| | POWER | 1.54 | 25.85 | 4.81 | .00 | 4.25 | 306.71 | -169.65 | -.03 | .00 |
| 1.20 | 2.41 | 1.70 | 1492 | 662 | 1587 | 9230 | -1550 | -.965 | 329 | 6.6 |
| | RAM | .73 | .42 | -.10 | .00 | 1.60 | -2.48 | 2.58 | .00 | .00 |
| | BLEED | -.45 | 6.64 | .79 | .00 | -.99 | 5.93 | .66 | .01 | .00 |
| | POWER | 1.59 | 33.61 | 3.97 | .00 | 3.41 | -20.41 | 56.84 | -.01 | .00 |
| 1.50 | 3.57 | 4.78 | 16441 | 1165 | 1587 | 42900 | 13700 | 1.20 | 511 | 6.6 |
| | RAM | 1.03 | 1.03 | -.00 | .00 | 1.29 | 1.85 | -.90 | .00 | .00 |
| | BLEED | -.38 | 2.51 | 1.06 | .00 | -.49 | -1.63 | 4.25 | .04 | .00 |
| | POWER | .67 | 3.82 | 1.32 | .00 | .85 | 2.74 | 1.05 | -.03 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 25000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|--------|---------|--------|-------|--------|--------|-------|
| .30 | NR = 1.00 | 1.06 | 1160 | -100 | -9.690 | 680 | 19.0 | 122 | 817 |
| | P2 = 5.81 | RAM | 1.29 | -3.29 | 1.62 | -.12 | .54 | 1.29 | -1.15 |
| | T2 = 437 | BLEED | .02 | 8.06 | -3.27 | -.37 | -1.23 | .02 | 2.67 |
| | ERI = 0 | POWER | -.17 | -125.77 | 202.65 | 2.50 | 10.17 | -.17 | 20.80 |
| .60 | NR = 1.00 | 1.28 | 2640 | -1300 | -.600 | 695 | 20.0 | 139 | 731 |
| | P2 = 6.96 | RAM | 1.42 | .54 | -1.52 | .06 | 1.13 | 1.42 | -.96 |
| | T2 = 461 | BLEED | -1.22 | 1.20 | 2.24 | -.94 | -3.24 | -1.22 | 2.33 |
| | ERI = 100 | POWER | -21.16 | -6.65 | 35.14 | -6.55 | -22.64 | -21.16 | 16.60 |
| .90 | NR = 1.00 | 1.69 | 5660 | -2940 | -.265 | 770 | 28.6 | 199 | 677 |
| | P2 = 9.23 | RAM | 1.37 | .41 | -.42 | .07 | 1.23 | 1.37 | -.45 |
| | T2 = 499 | BLEED | -2.66 | 1.18 | -1.16 | -1.23 | -4.65 | -2.66 | .81 |
| | ERI = 100 | POWER | -20.15 | -3.27 | 3.29 | -4.54 | -17.71 | -20.15 | 2.80 |
| 1.20 | NR = .991 | 2.41 | 9700 | -3460 | -.230 | 836 | 37.5 | 256 | 693 |
| | P2 = 13.12 | RAM | 1.17 | -.22 | .57 | .05 | 1.18 | 1.17 | -.21 |
| | T2 = 554 | BLEED | -1.89 | 4.01 | -4.93 | -1.44 | -5.18 | -1.89 | .02 |
| | ERI = 100 | POWER | -12.68 | 6.36 | -15.24 | -5.00 | -18.70 | -12.68 | -.88 |
| 1.50 | NR = .971 | 3.57 | 29300 | 10900 | 1.43 | 1219 | 158.8 | 617 | 1542 |
| | P2 = 19.44 | RAM | 1.03 | 2.37 | -1.52 | -.00 | 1.03 | 1.03 | -.00 |
| | T2 = 623 | BLEED | .04 | -2.10 | 4.86 | -.33 | -1.15 | .04 | 2.07 |
| | ERI = 0 | POWER | -.03 | 3.60 | .39 | .19 | .84 | -.03 | 1.95 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

25000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|--------|---------|---------|--------|-------|
| .30 | 1.06 | 1.05 | 998 | 603 | 2400 | 1160 | 0 | 240.33 | 283 | 6.6 |
| | RAM | .08 | -1.40 | -.80 | .00 | 1.73 | 124.22 | 24.11 | .30 | .00 |
| | BLEED | -.04 | 4.39 | 1.14 | .00 | -.76 | -218.52 | -97.86 | .02 | .00 |
| | POWER | .54 | 56.01 | 11.87 | .00 | 12.06 | 3415.18 | -885.15 | -.17 | .00 |
| .60 | 1.28 | 1.06 | 780 | 573 | 2400 | 1480 | -1160 | -.670 | 277 | 6.6 |
| | RAM | .14 | -.94 | -.50 | .00 | 2.26 | .36 | -1.32 | .45 | .00 |
| | BLEED | -.25 | 3.48 | .75 | .00 | -3.53 | 1.72 | 1.72 | -1.22 | .00 |
| | POWER | -2.48 | 28.29 | 6.28 | .00 | -34.92 | -3.67 | 32.0 | -21.16 | .00 |
| .90 | 1.69 | 1.13 | 780 | 579 | 2400 | 2980 | -2680 | -.290 | 311 | 6.6 |
| | RAM | .29 | .00 | -.20 | .00 | 2.39 | .25 | -.25 | .39 | .00 |
| | BLEED | -.82 | .00 | .06 | .00 | -6.72 | 1.84 | -1.79 | -2.66 | .00 |
| | POWER | -5.21 | .00 | .25 | .00 | -37.78 | -.59 | .5 | -20.15 | .00 |
| 1.20 | 2.41 | 1.47 | 794 | 617 | 1690 | 6910 | -2790 | -.285 | 296 | 6.6 |
| | RAM | .66 | .36 | -.08 | .00 | 1.94 | -.73 | 1.06 | .17 | .00 |
| | BLEED | -1.70 | -1.21 | -.28 | .00 | -5.15 | 6.20 | -6.78 | -1.89 | .00 |
| | POWER | -7.51 | -9.07 | -1.47 | .00 | -23.21 | 13.42 | -21.9 | -12.68 | .00 |
| 1.50 | 3.57 | 4.42 | 15632 | 1139 | 1690 | 41600 | 12300 | 1.27 | 511 | 6.6 |
| | RAM | 1.03 | 1.03 | -.00 | .00 | 1.31 | 1.96 | -1.04 | .00 | .00 |
| | BLEED | -.39 | 2.61 | 1.06 | .00 | -.51 | -1.80 | 4.53 | .04 | .00 |
| | POWER | .81 | 4.01 | 1.35 | .00 | .89 | 3.05 | .93 | -.03 | .00 |

CONFIDENTIAL

GEI 64219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|------|------|
| .60 | NR = 1.00 | 1.28 | 5270 | 20800 | 2.42 | 1084 | 73.5 | 266 | 1765 |
| | P2 = 6.96 | RAM | 1.01 | 1.66 | -.81 | -.00 | 1.01 | 1.01 | -.00 |
| | T2 = 503 | BLEED | .17 | -3.26 | 1.67 | -.67 | -1.97 | .17 | -.00 |
| | ERI = 0 | POWER | .37 | -2.15 | 2.60 | .08 | .28 | .37 | -.01 |
| .90 | NR = 1.00 | 1.69 | 9810 | 25600 | 2.37 | 1136 | 90.3 | 330 | 1765 |
| | P2 = 9.23 | RAM | 1.00 | 1.58 | -.70 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 546 | BLEED | .05 | -4.95 | -.20 | -.54 | -1.88 | .05 | .01 |
| | ERI = 0 | POWER | -.02 | -4.80 | -1.92 | .05 | .20 | -.02 | .00 |
| 1.20 | NR = .991 | 2.41 | 16900 | 31400 | 2.23 | 1211 | 115.7 | 427 | 1765 |
| | P2 = 13.12 | RAM | 1.01 | 1.50 | -.54 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = 605 | BLEED | .13 | -5.96 | -.34 | -.54 | -1.84 | .13 | -.02 |
| | ERI = 1 | POWER | .05 | -5.16 | -1.97 | .04 | .15 | .05 | -.02 |
| 1.50 | NR = .971 | 3.57 | 27900 | 38600 | 2.13 | 1302 | 150.3 | 563 | 1765 |
| | P2 = 19.45 | RAM | 1.04 | 1.60 | -.61 | -.00 | 1.04 | 1.04 | .00 |
| | T2 = 681 | BLEED | .06 | -7.80 | .34 | -.55 | -1.89 | .06 | .00 |
| | ERI = 1 | POWER | -.00 | -5.37 | -1.04 | .04 | .15 | -.00 | -.01 |

CONFIDENTIAL

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F

PRESSURE ALTITUDE

25000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FN8 | SFC8 | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|
| .60 | 1.28 | 2.53 | 50383 | 3333 | 2322 | 26700 | 21400 | 2.36 | 554 | 6.6 |
| | RAM | 1.02 | .92 | .00 | -.02 | 1.50 | 1.62 | -.75 | .01 | .00 |
| | BLEED | -3.15 | -1.67 | -.64 | 1.95 | -2.77 | -3.50 | 1.94 | .17 | .00 |
| | POWER | -5.01 | .42 | -.34 | 5.13 | -2.30 | -2.96 | 3.44 | .37 | .00 |
| .90 | 1.69 | 3.04 | 60561 | 3334 | 2385 | 35800 | 26000 | 2.33 | 539 | 6.6 |
| | RAM | 1.02 | .94 | -.01 | -.03 | 1.40 | 1.55 | -.66 | .00 | .00 |
| | BLEED | -2.89 | -5.13 | -2.36 | .45 | -3.53 | -4.88 | -.27 | .05 | .00 |
| | POWER | -3.32 | -6.66 | -3.48 | 1.02 | -3.50 | -4.82 | -1.90 | -.02 | .00 |
| 1.20 | 2.41 | 3.80 | 70020 | 3200 | 2400 | 48800 | 31900 | 2.19 | 517 | 6.6 |
| | RAM | 1.02 | 1.00 | .01 | .00 | 1.34 | 1.52 | -.56 | .00 | .00 |
| | BLEED | -2.97 | -6.27 | -3.48 | -.00 | -3.87 | -5.99 | -.31 | .13 | .00 |
| | POWER | -2.62 | -7.04 | -4.30 | .02 | -3.37 | -5.18 | -1.95 | .05 | .00 |
| 1.50 | 3.57 | 4.86 | 82194 | 3051 | 2400 | 67100 | 39200 | 2.09 | 487 | 3.0 |
| | RAM | 1.04 | 1.04 | .01 | -.00 | 1.31 | 1.51 | -.51 | .01 | .00 |
| | BLEED | -3.44 | -7.50 | -4.31 | -.00 | -4.33 | -7.45 | -.05 | .06 | .00 |
| | POWER | -2.37 | -6.34 | -4.04 | -.01 | -3.00 | -5.12 | -1.30 | -.00 | .00 |

GEI 84219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|------|------|
| .60 | NR = 1.00 | 1.28 | 5270 | 9390 | 1.01 | 1084 | 73.5 | 266 | 1765 |
| | P2 = 6.96 | RAM | 1.01 | 1.95 | -1.05 | -.00 | 1.01 | 1.01 | -.00 |
| | T2 = 503 | BLEED | .17 | -4.03 | 2.95 | -.67 | -1.97 | .17 | -.00 |
| | ERI = 0 | POWER | .37 | -2.36 | 3.56 | .08 | .28 | .37 | -.01 |
| .90 | NR = 1.00 | 1.69 | 9810 | 10500 | 1.07 | 1136 | 90.3 | 330 | 1765 |
| | P2 = 9.23 | RAM | 1.00 | 1.90 | -.98 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 546 | BLEED | .05 | -4.58 | 3.61 | -.54 | -1.88 | .05 | .01 |
| | ERI = 0 | POWER | -.02 | -2.27 | 3.18 | .05 | .20 | -.02 | .00 |
| 1.20 | NR = .991 | 2.41 | 16900 | 12000 | 1.14 | 1211 | 115.7 | 427 | 1765 |
| | P2 = 13.12 | RAM | 1.01 | 1.84 | -.90 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = 605 | BLEED | .13 | -5.23 | 4.48 | -.54 | -1.84 | .13 | -.02 |
| | ERI = 0 | POWER | .05 | -2.02 | 2.75 | .04 | .15 | .05 | -.02 |
| 1.50 | NR = .971 | 3.57 | 27900 | 11900 | 1.40 | 1302 | 150.3 | 563 | 1765 |
| | P2 = 19.45 | RAM | 1.04 | 1.84 | -.90 | -.00 | 1.04 | 1.04 | .00 |
| | T2 = 681 | BLEED | .06 | -6.46 | 6.15 | -.55 | -1.89 | .06 | .00 |
| | ERI = 0 | POWER | -.00 | -1.47 | 2.17 | .04 | .15 | -.00 | -.01 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|------|------|--------|
| .60 | 1.28 | 2.70 | 9436 | 1222 | 1263 | 15700 | 10500 | .90 | 554 | 15.1 |
| | RAM | 1.02 | 1.01 | .00 | -.06 | 1.45 | 1.67 | -.73 | .01 | .00 |
| | BLEED | -2.89 | -1.27 | -.70 | 1.82 | -2.48 | -3.81 | 2.70 | .17 | .00 |
| | POWER | -4.33 | 1.15 | -.41 | 4.57 | -1.77 | -2.84 | 4.05 | .37 | .00 |
| .90 | 1.69 | 3.26 | 11218 | 1234 | 1296 | 21100 | 11300 | .99 | 539 | 15.1 |
| | RAM | 1.01 | 1.01 | .00 | -.01 | 1.37 | 1.68 | -.73 | .00 | .00 |
| | BLEED | -2.87 | -1.22 | -.59 | 1.62 | -2.30 | -4.34 | 3.34 | .05 | .00 |
| | POWER | -3.26 | .87 | -.20 | 3.09 | -1.30 | -2.42 | 3.34 | -.02 | .00 |
| 1.20 | 2.41 | 4.07 | 13673 | 1251 | 1349 | 29600 | 12600 | 1.08 | 517 | 15.1 |
| | RAM | 1.02 | 1.02 | .00 | -.01 | 1.31 | 1.71 | -.75 | .00 | .00 |
| | BLEED | -3.06 | -1.11 | -.58 | 1.90 | -2.08 | -5.03 | 4.25 | .13 | .00 |
| | POWER | -2.75 | .69 | -.20 | 2.66 | -.86 | -2.09 | 2.82 | .05 | .00 |
| 1.50 | 3.57 | 5.20 | 16599 | 1273 | 1403 | 41900 | 14000 | 1.19 | 487 | 6.6 |
| | RAM | 1.04 | 1.04 | .00 | -.00 | 1.28 | 1.78 | -.81 | .01 | -25.76 |
| | BLEED | -3.58 | -.92 | -.46 | 2.44 | -2.05 | -6.26 | 5.89 | .06 | 85.86 |
| | POWER | -2.52 | .67 | -.08 | 2.44 | -.66 | -1.96 | 2.69 | -.00 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| .60 | NR = | 1.00 | 1.28 | 4330 | 4830 | 1.09 | 963 | 51.1 | 219 | 1437 |
| | P2 = | 6.96 | RAM | 1.04 | 1.86 | -1.07 | -.01 | .98 | 1.04 | -.08 |
| | T2 = | 503 | BLEED | .11 | -.87 | 3.36 | -.40 | -1.10 | .11 | 2.35 |
| | ERI = | 0 | POWER | -.84 | 6.86 | 6.74 | .86 | 3.23 | -.84 | 7.48 |
| .90 | NR = | 1.00 | 1.69 | 7700 | 4230 | 1.30 | 996 | 57.8 | 259 | 1403 |
| | P2 = | 9.23 | RAM | 1.02 | 2.08 | -1.31 | -.01 | .99 | 1.02 | -.06 |
| | T2 = | 546 | BLEED | .09 | -1.66 | 4.17 | -.45 | -1.28 | .09 | 2.23 |
| | ERI = | 0 | POWER | -.54 | 9.27 | 4.19 | .83 | 3.17 | -.54 | 6.91 |
| 1.20 | NR = | .991 | 2.41 | 12600 | 3360 | 1.65 | 1040 | 66.2 | 318 | 1347 |
| | P2 = | 13.12 | RAM | 1.02 | 3.55 | -3.20 | -.00 | 1.00 | 1.02 | -.05 |
| | T2 = | 605 | BLEED | .07 | -3.80 | 6.75 | -.44 | -1.44 | .07 | 2.12 |
| | ERI = | 0 | POWER | -.26 | 14.20 | -1.12 | .62 | 2.79 | -.26 | 5.88 |
| 1.50 | NR = | .971 | 3.57 | 27900 | 11900 | 1.40 | 1302 | 150.3 | 563 | 1765 |
| | P2 = | 19.45 | RAM | 1.04 | -.59 | 1.58 | -.00 | 1.04 | 1.04 | .00 |
| | T2 = | 681 | BLEED | .06 | -8.00 | 8.00 | -.55 | -1.89 | .06 | .00 |
| | ERI = | 0 | POWER | -.00 | -1.47 | 2.17 | .04 | .15 | -.00 | -.01 |

CONFIDENTIAL

GEI 84210

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|-------|------|--------|
| .60 | 1.28 | 2.04 | 5246 | 998 | 1249 | 10000 | 5710 | .92 | 455 | 15.1 |
| | RAM | .92 | .89 | -.07 | .00 | 1.57 | 1.97 | -1.20 | .04 | .00 |
| | BLEED | -.25 | 2.44 | 1.19 | .00 | -.44 | -.86 | 3.35 | .11 | .00 |
| | POWER | 2.02 | 13.74 | 5.76 | .00 | 3.49 | 6.78 | 6.82 | -.84 | .00 |
| .90 | 1.69 | 2.39 | 5509 | 985 | 1249 | 12900 | 5190 | 1.06 | 423 | 6.6 |
| | RAM | .95 | .91 | -.05 | .00 | 1.47 | 2.15 | -1.40 | .02 | .00 |
| | BLEED | -.35 | 2.41 | 1.02 | .00 | -.56 | -1.53 | 4.03 | .09 | .00 |
| | POWER | 2.04 | 13.60 | 5.06 | .00 | 3.13 | 8.59 | 4.86 | -.54 | .00 |
| 1.20 | 2.41 | 2.87 | 5536 | 963 | 1249 | 17000 | 4410 | 1.26 | 385 | 15.1 |
| | RAM | .97 | .92 | -.03 | .00 | 1.39 | 2.44 | -1.73 | .01 | .00 |
| | BLEED | -.49 | 2.56 | .86 | .00 | -.67 | -2.78 | 5.58 | .07 | .00 |
| | POWER | 1.67 | 13.01 | 3.95 | .00 | 2.52 | 10.47 | 2.44 | -.26 | .00 |
| 1.50 | 3.57 | 5.20 | 16599 | 1273 | 1403 | 41900 | 14000 | 1.19 | 487 | 6.6 |
| | RAM | 1.04 | 1.04 | .00 | -.01 | 1.28 | 1.78 | -.81 | .01 | -25.76 |
| | BLEED | -3.58 | -.92 | -.46 | 2.44 | -2.05 | -6.26 | 5.89 | .06 | 85.86 |
| | POWER | -2.52 | .67 | -.08 | 2.44 | -.66 | -1.96 | 2.69 | -.00 | .00 |

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|--------|------|-------|------|-------|
| .60 | NR = 1.00 | 1.28 | 3460 | 380 | 4.85 | 838 | 30.0 | 174 | 976 |
| | P2 = 6.96 | RAM | 1.06 | 6.29 | -9.34 | -.06 | .79 | 1.06 | -.58 |
| | T2 = 503 | BLEED | .03 | -8.42 | 14.10 | -.38 | -1.35 | .03 | 2.51 |
| | ERI = 0 | POWER | -.17 | 63.51 | -30.46 | 1.35 | 5.81 | -.17 | 11.76 |
| .90 | NR = 1.00 | 1.69 | 6070 | -1170 | -1.250 | 866 | 32.7 | 204 | 875 |
| | P2 = 9.23 | RAM | 1.00 | -1.43 | 1.41 | -.03 | .86 | 1.00 | -.39 |
| | T2 = 546 | BLEED | .01 | 4.26 | .69 | -.46 | -1.54 | .01 | 2.17 |
| | ERI = 0 | POWER | -.01 | -21.07 | 58.61 | 1.16 | 5.43 | -.01 | 10.54 |
| 1.20 | NR = .991 | 2.41 | 9760 | -3000 | -.335 | 916 | 38.3 | 246 | 791 |
| | P2 = 13.12 | RAM | 1.01 | -.32 | .23 | -.02 | .91 | 1.01 | -.29 |
| | T2 = 605 | BLEED | .02 | 2.48 | 5.70 | -.48 | -1.61 | .02 | 1.83 |
| | ERI = 0 | POWER | -.04 | -8.95 | 61.20 | .93 | 4.91 | -.04 | 9.48 |
| 1.50 | NR = .971 | 3.57 | 27900 | 9300 | 1.56 | 1293 | 146.1 | 563 | 1627 |
| | P2 = 19.45 | RAM | 1.04 | 2.63 | -1.84 | -.00 | 1.04 | 1.04 | -.01 |
| | T2 = 681 | BLEED | .03 | -2.35 | 5.26 | -.34 | -1.17 | .03 | 2.08 |
| | ERI = 0 | POWER | -.02 | 4.23 | .17 | .20 | .92 | -.02 | 2.07 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**P.S.11.0****JANUARY 1964****STANDARD DAY + 40 F PRESSURE ALTITUDE 25000 FEET**

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|--------|--------|------|-------|
| .60 | 1.28 | 1.30 | 1831 | 719 | 1587 | 4250 | 790 | 2.33 | 363 | 6.6 |
| | RAM | .38 | -.11 | -.37 | .00 | 1.58 | 3.84 | -4.89 | .06 | .00 |
| | BLEED | -.19 | 3.89 | 1.04 | .00 | -.81 | -4.46 | 8.95 | .03 | .00 |
| | POWER | 1.60 | 29.93 | 6.85 | .00 | 6.10 | 33.66 | -3.53 | -.17 | .00 |
| .90 | 1.69 | 1.39 | 1457 | 692 | 1587 | 5430 | -640 | -2.265 | 333 | 6.6 |
| | RAM | .49 | .08 | -.20 | .00 | 1.58 | -3.87 | 3.31 | .00 | .00 |
| | BLEED | -.30 | 4.99 | .83 | .00 | -1.01 | 8.55 | -3.15 | .01 | .00 |
| | POWER | 1.55 | 35.35 | 5.47 | .00 | 5.00 | -42.26 | 83.91 | -.01 | .00 |
| 1.20 | 2.41 | 1.56 | 1006 | 688 | 1587 | 7480 | -2280 | -.440 | 298 | 6.6 |
| | RAM | .63 | -.09 | -.14 | .00 | 1.61 | -.94 | .80 | .01 | .00 |
| | BLEED | -.42 | 8.39 | .70 | .00 | -1.08 | 3.60 | 4.54 | .02 | .00 |
| | POWER | 1.58 | 51.09 | 4.48 | .00 | 3.91 | -13.02 | 65.93 | -.04 | .00 |
| 1.50 | 3.57 | 4.43 | 14503 | 1201 | 1587 | 39000 | 11100 | 1.30 | 488 | 6.6 |
| | RAM | 1.03 | 1.03 | -.00 | .00 | 1.31 | 2.01 | -1.09 | .01 | .00 |
| | BLEED | -.37 | 2.72 | 1.05 | .00 | -.52 | -1.89 | 4.75 | .03 | .00 |
| | POWER | .75 | 4.41 | 1.42 | .00 | .94 | 3.37 | 1.00 | -.02 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

36089 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|------|------|
| .60 | NR = 1.00 | 1.28 | 3150 | 13900 | 2.36 | 921 | 45.8 | 174 | 1554 |
| | P2 = 4.19 | RAM | 1.01 | 1.65 | -.84 | -.00 | 1.01 | 1.01 | .00 |
| | T2 = 410 | BLEED | .87 | -2.55 | .99 | -.69 | -1.97 | .87 | .01 |
| | ERI = 101 | POWER | 2.20 | -1.60 | 2.13 | .12 | .39 | 2.20 | .01 |
| .90 | NR = 1.00 | 1.69 | 6060 | 18900 | 2.22 | 994 | 60.5 | 224 | 1659 |
| | P2 = 5.55 | RAM | 1.00 | 1.51 | -.65 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 453 | BLEED | .70 | -2.94 | 1.38 | -.68 | -1.96 | .70 | .01 |
| | ERI = 101 | POWER | 1.74 | -2.12 | 2.72 | .12 | .41 | 1.74 | .05 |
| 1.20 | NR = .991 | 2.41 | 10900 | 26700 | 2.12 | 1083 | 83.6 | 302 | 1765 |
| | P2 = 7.89 | RAM | 1.01 | 1.42 | -.52 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = 503 | BLEED | .20 | -2.99 | 1.37 | -.68 | -1.97 | .20 | -.00 |
| | ERI = 0 | POWER | .38 | -1.31 | 1.70 | .08 | .25 | .38 | -.00 |
| 1.50 | NR = .971 | 3.56 | 18300 | 35100 | 2.05 | 1161 | 110.5 | 405 | 1765 |
| | P2 = 11.70 | RAM | 1.04 | 1.39 | -.40 | -.00 | 1.04 | 1.04 | -.00 |
| | T2 = 566 | BLEED | .10 | -5.23 | -.97 | -.53 | -1.85 | .10 | -.00 |
| | ERI = 1 | POWER | -.01 | -4.68 | -2.74 | .04 | .16 | -.01 | .00 |
| 1.80 | NR = .945 | 5.43 | 29700 | 42700 | 1.95 | 1257 | 147.1 | 548 | 1765 |
| | P2 = 17.82 | RAM | 1.06 | 1.33 | -.28 | -.00 | 1.07 | 1.06 | -.00 |
| | T2 = 643 | BLEED | .08 | -6.47 | -.68 | -.56 | -1.85 | .08 | .01 |
| | ERI = 1 | POWER | -.01 | -4.42 | -1.63 | .03 | .14 | -.01 | .01 |
| 2.00 | NR = .925 | 7.24 | 39900 | 50900 | 1.97 | 1327 | 177.2 | 663 | 1779 |
| | P2 = 23.76 | RAM | 1.08 | 1.34 | -.27 | -.00 | 1.08 | 1.08 | .00 |
| | T2 = 702 | BLEED | .06 | -6.45 | -.34 | -.54 | -1.93 | .06 | -.00 |
| | ERI = 1 | POWER | .00 | -3.61 | -1.15 | .03 | .12 | .00 | -.00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|--------|-------|------|-------|-------|-------|------|--------|
| .60 | 1.28 | 2.69 | 32702 | 3117 | 2290 | 17400 | 14200 | 2.30 | 550 | 6.6 |
| | RAM | 1.01 | .88 | .05 | .01 | 1.48 | 1.59 | -.77 | .01 | .00 |
| | BLEED | -2.98 | -1.60 | -.99 | 2.25 | -2.11 | -2.77 | 1.22 | .87 | .00 |
| | POWER | -6.46 | .52 | -1.55 | 7.57 | -1.68 | -2.54 | 3.08 | 2.20 | .00 |
| .90 | 1.69 | 3.53 | 42035 | 3229 | 2281 | 25300 | 19200 | 2.19 | 553 | 6.6 |
| | RAM | 1.01 | .91 | .03 | .00 | 1.36 | 1.47 | -.61 | .00 | .00 |
| | BLEED | -3.41 | -1.62 | -.88 | 2.58 | -2.05 | -2.91 | 1.35 | .70 | .00 |
| | POWER | -6.55 | .57 | -1.00 | 7.56 | -1.17 | -2.08 | 2.68 | 1.74 | .00 |
| 1.20 | 2.41 | 4.78 | 56721 | 3336 | 2314 | 38100 | 27200 | 2.09 | 554 | 3.0 |
| | RAM | 1.02 | .94 | -.00 | -.02 | 1.28 | 1.39 | -.48 | .00 | -24.00 |
| | BLEED | -3.15 | -1.68 | -.68 | 1.94 | -2.06 | -2.97 | 1.35 | .20 | .00 |
| | POWER | -4.45 | .38 | -.29 | 4.60 | -.99 | -1.54 | 1.94 | .38 | .00 |
| 1.50 | 3.56 | 6.12 | 71972 | 3310 | 2401 | 53800 | 35500 | 2.03 | 531 | 3.0 |
| | RAM | 1.04 | 1.02 | .02 | -.00 | 1.27 | 1.40 | -.40 | .01 | .00 |
| | BLEED | -2.80 | -6.13 | -3.10 | -.04 | -3.41 | -5.22 | -.98 | .10 | .00 |
| | POWER | -2.57 | -7.32 | -4.02 | -.01 | -3.09 | -4.68 | -2.74 | -.01 | .00 |
| 1.80 | 5.43 | 7.93 | 83416 | 3103 | 2401 | 73700 | 44000 | 1.90 | 503 | 3.0 |
| | RAM | 1.07 | 1.07 | .01 | .00 | 1.27 | 1.41 | -.37 | .01 | .00 |
| | BLEED | -3.29 | -7.08 | -4.09 | -.03 | -3.94 | -6.65 | -.48 | .08 | .00 |
| | POWER | -2.26 | -5.97 | -3.84 | -.03 | -2.72 | -4.55 | -1.49 | -.01 | .00 |
| 2.00 | 7.24 | 9.64 | 100152 | 3133 | 2401 | 92700 | 52900 | 1.89 | 477 | .0 |
| | RAM | 1.08 | 1.09 | .00 | .00 | 1.26 | 1.40 | -.34 | .00 | .00 |
| | BLEED | -3.13 | -6.76 | -3.78 | -.03 | -3.69 | -6.53 | -.25 | .06 | .00 |
| | POWER | -1.82 | -4.71 | -2.97 | .04 | -2.09 | -3.66 | -1.10 | .00 | .00 |

CONFIDENTIAL

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|------|------|-------|------|------|
| .60 | NR = | 1.00 | 1.28 | 3150 | 12300 | 2.03 | 921 | 45.8 | 174 | 1554 |
| | P2 = | 4.19 | RAM | 1.01 | 1.68 | -.86 | -.00 | 1.01 | 1.01 | .00 |
| | T2 = | 418 | BLEED | .87 | -2.77 | 1.23 | -.69 | -1.97 | .87 | .01 |
| | ERI = | 101 | POWER | 2.20 | -1.53 | 2.12 | .12 | .39 | 2.20 | .01 |
| .90 | NR = | 1.00 | 1.69 | 6060 | 16800 | 1.92 | 994 | 60.5 | 224 | 1659 |
| | P2 = | 5.55 | RAM | 1.00 | 1.54 | -.67 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = | 453 | BLEED | .70 | -3.05 | 1.51 | -.68 | -1.96 | .70 | .01 |
| | ERI = | 101 | POWER | 1.74 | -1.59 | 2.25 | .12 | .41 | 1.74 | .05 |
| 1.20 | NR = | .991 | 2.41 | 10900 | 23700 | 1.84 | 1083 | 83.6 | 302 | 1765 |
| | P2 = | 7.89 | RAM | 1.01 | 1.40 | -.49 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = | 503 | BLEED | .20 | -3.17 | 1.59 | -.68 | -1.97 | .20 | -.00 |
| | ERI = | 0 | POWER | .38 | -1.65 | 2.09 | .08 | .25 | .38 | -.00 |
| 1.50 | NR = | .971 | 3.56 | 18300 | 30700 | 1.83 | 1161 | 110.5 | 405 | 1765 |
| | P2 = | 11.70 | RAM | 1.04 | 1.41 | -.46 | -.00 | 1.04 | 1.04 | -.00 |
| | T2 = | 566 | BLEED | .10 | -3.17 | 1.65 | -.53 | -1.85 | .10 | -.00 |
| | ERI = | 0 | POWER | -.01 | -.97 | 1.26 | .04 | .16 | -.01 | .00 |
| 1.80 | NR = | .945 | 5.43 | 29700 | 39600 | 1.84 | 1257 | 147.1 | 548 | 1765 |
| | P2 = | 17.82 | RAM | 1.06 | 1.39 | -.39 | -.00 | 1.07 | 1.06 | -.00 |
| | T2 = | 643 | BLEED | .08 | -3.57 | 2.11 | -.56 | -1.85 | .08 | .01 |
| | ERI = | 0 | POWER | -.01 | -1.13 | 1.41 | .03 | .14 | -.01 | .01 |
| 2.00 | NR = | .925 | 7.24 | 39900 | 46500 | 1.85 | 1327 | 177.2 | 663 | 1779 |
| | P2 = | 23.76 | RAM | 1.08 | 1.34 | -.31 | -.00 | 1.08 | 1.08 | .00 |
| | T2 = | 702 | BLEED | .06 | -3.52 | 1.96 | -.54 | -1.93 | .06 | -.00 |
| | ERI = | 0 | POWER | .00 | -.70 | .92 | .03 | .12 | .00 | -.00 |

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CEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| .60 | 1.28 | 2.73 | 24929 | 2688 | 2069 | 16000 | 12900 | 1.94 | 550 | 6.6 |
| | RAM | 1.02 | .90 | .01 | -.01 | 1.46 | 1.57 | -.73 | .01 | .00 |
| | BLEED | -2.86 | -1.60 | -1.33 | 1.96 | -2.18 | -2.93 | 1.39 | .87 | .00 |
| | POWER | -6.14 | .58 | -1.96 | 7.04 | -1.65 | -2.60 | 3.20 | 2.20 | .00 |
| .90 | 1.69 | 3.58 | 32240 | 2787 | 2062 | 23200 | 17200 | 1.88 | 553 | 6.6 |
| | RAM | 1.01 | .92 | .01 | -.01 | 1.34 | 1.46 | -.58 | .00 | .00 |
| | BLEED | -3.29 | -1.61 | -1.17 | 2.31 | -2.11 | -3.10 | 1.56 | .70 | .00 |
| | POWER | -6.26 | .64 | -1.30 | 7.09 | -1.15 | -2.17 | 2.83 | 1.74 | .00 |
| 1.20 | 2.41 | 4.86 | 43737 | 2878 | 2090 | 35000 | 24100 | 1.82 | 554 | 6.6 |
| | RAM | 1.03 | .95 | -.02 | -.03 | 1.27 | 1.38 | -.47 | .00 | .00 |
| | BLEED | -3.06 | -1.66 | -.83 | 1.79 | -2.08 | -3.12 | 1.52 | .20 | .00 |
| | POWER | -4.28 | .42 | -.31 | 4.39 | -.93 | -1.53 | 1.97 | .38 | .00 |
| 1.50 | 3.56 | 6.22 | 56214 | 2865 | 2172 | 49500 | 31200 | 1.80 | 531 | 3.0 |
| | RAM | 1.05 | .99 | -.01 | -.02 | 1.25 | 1.38 | -.43 | .01 | .00 |
| | BLEED | -3.05 | -1.60 | -.70 | 1.76 | -1.97 | -3.18 | 1.66 | .10 | .00 |
| | POWER | -2.99 | .28 | -.06 | 2.88 | -.69 | -1.10 | 1.39 | -.01 | .00 |
| 1.80 | 5.43 | 8.01 | 72695 | 2852 | 2267 | 70200 | 40500 | 1.79 | 503 | .0 |
| | RAM | 1.07 | 1.03 | -.01 | -.02 | 1.25 | 1.39 | -.39 | .01 | .00 |
| | BLEED | -3.70 | -1.57 | -.62 | 2.46 | -1.97 | -3.48 | 2.01 | .08 | .00 |
| | POWER | -2.71 | .25 | -.00 | 2.69 | -.52 | -.89 | 1.15 | -.01 | .00 |
| 2.00 | 7.24 | 9.75 | 86114 | 2862 | 2257 | 88000 | 48100 | 1.79 | 477 | .0 |
| | RAM | 1.09 | 1.04 | -.02 | -.02 | 1.25 | 1.38 | -.36 | .00 | .00 |
| | BLEED | -3.50 | -1.67 | -.63 | 2.24 | -1.88 | -3.50 | 1.93 | .06 | .00 |
| | POWER | -2.16 | .21 | .01 | 2.15 | -.35 | -.65 | .86 | .00 | .00 |

CONFIDENTIAL

GEI 84219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|------|------|-------|------|------|
| .60 | NR = | 1.00 | 1.28 | 3150 | 9870 | 1.74 | 921 | 45.8 | 174 | 1554 |
| | P2 = | 4.19 | RAM | 1.01 | 1.80 | -.96 | -.00 | 1.01 | 1.01 | .00 |
| | T2 = | 418 | BLEED | .87 | -2.81 | 1.27 | -.69 | -1.97 | .87 | .01 |
| | ERI = | 101 | POWER | 2.20 | -.72 | 1.43 | .12 | .39 | 2.20 | .01 |
| .90 | NR = | 1.00 | 1.69 | 6060 | 13600 | 1.65 | 994 | 60.5 | 224 | 1659 |
| | P2 = | 5.55 | RAM | 1.00 | 1.64 | -.76 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = | 453 | BLEED | .70 | -3.10 | 1.59 | -.68 | -1.96 | .70 | .01 |
| | ERI = | 101 | POWER | 1.74 | -1.08 | 1.87 | .12 | .41 | 1.74 | .05 |
| 1.20 | NR = | .991 | 2.41 | 10900 | 19400 | 1.58 | 1083 | 83.6 | 302 | 1765 |
| | P2 = | 7.89 | RAM | 1.01 | 1.50 | -.57 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = | 503 | BLEED | .20 | -3.32 | 1.78 | -.68 | -1.97 | .20 | -.00 |
| | ERI = | 0 | POWER | .38 | -1.36 | 1.88 | .08 | .25 | .38 | -.00 |
| 1.50 | NR = | .971 | 3.56 | 18300 | 25000 | 1.58 | 1161 | 110.5 | 405 | 1765 |
| | P2 = | 11.70 | RAM | 1.04 | 1.40 | -.43 | -.00 | 1.04 | 1.04 | -.00 |
| | T2 = | 566 | BLEED | .10 | -3.37 | 1.91 | -.53 | -1.85 | .10 | -.00 |
| | ERI = | 0 | POWER | -.01 | -1.11 | 1.47 | .04 | .16 | -.01 | .00 |
| 1.80 | NR = | .945 | 5.43 | 29700 | 31800 | 1.60 | 1257 | 147.1 | 548 | 1765 |
| | P2 = | 17.82 | RAM | 1.06 | 1.43 | -.43 | -.00 | 1.07 | 1.06 | -.00 |
| | T2 = | 643 | BLEED | .08 | -3.94 | 2.59 | -.56 | -1.85 | .08 | .01 |
| | ERI = | 0 | POWER | -.01 | -1.14 | 1.46 | .03 | .14 | -.01 | .01 |
| 2.00 | NR = | .925 | 7.24 | 39900 | 37500 | 1.61 | 1327 | 177.2 | 663 | 1779 |
| | P2 = | 23.76 | RAM | 1.08 | 1.44 | -.41 | -.00 | 1.08 | 1.08 | .00 |
| | T2 = | 702 | BLEED | .06 | -3.87 | 2.41 | -.54 | -1.93 | .06 | -.00 |
| | ERI = | 0 | POWER | .00 | -.68 | .94 | .03 | .12 | .00 | -.00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| .60 | 1.28 | 2.79 | 17156 | 2114 | 1776 | 14100 | 11000 | 1.57 | 550 | 6.6 |
| | RAM | 1.02 | .93 | .02 | -.01 | 1.46 | 1.58 | -.71 | .01 | .00 |
| | BLEED | -2.78 | -1.60 | -1.38 | 1.90 | -2.12 | -2.98 | 1.45 | .87 | .00 |
| | POWER | -5.86 | .70 | -2.02 | 6.81 | -1.43 | -2.48 | 3.20 | 2.20 | .00 |
| .90 | 1.69 | 3.65 | 22445 | 2209 | 1778 | 20500 | 14400 | 1.56 | 553 | 6.6 |
| | RAM | 1.01 | .95 | .01 | -.01 | 1.34 | 1.48 | -.57 | .00 | .00 |
| | BLEED | -3.20 | -1.58 | -1.21 | 2.23 | -2.04 | -3.20 | 1.70 | .70 | .00 |
| | POWER | -5.98 | .77 | -1.32 | 6.85 | -.99 | -2.13 | 2.93 | 1.74 | .00 |
| 1.20 | 2.41 | 4.95 | 30752 | 2297 | 1808 | 30900 | 19900 | 1.54 | 554 | 6.6 |
| | RAM | 1.02 | .97 | -.01 | -.02 | 1.27 | 1.40 | -.47 | .00 | .00 |
| | BLEED | -2.99 | -1.63 | -.84 | 1.74 | -2.04 | -3.26 | 1.72 | .20 | .00 |
| | POWER | -4.11 | .51 | -.32 | 4.23 | -.86 | -1.54 | 2.06 | .38 | .00 |
| 1.50 | 3.56 | 6.35 | 39509 | 2296 | 1882 | 43700 | 25500 | 1.55 | 531 | 6.6 |
| | RAM | 1.04 | 1.00 | -.01 | -.01 | 1.25 | 1.41 | -.44 | .01 | .00 |
| | BLEED | -2.98 | -1.56 | -.71 | 1.71 | -1.93 | -3.39 | 1.93 | .10 | .00 |
| | POWER | -2.86 | .34 | -.07 | 2.78 | -.66 | -1.13 | 1.48 | -.01 | .00 |
| 1.80 | 5.43 | 8.19 | 50942 | 2295 | 1966 | 62100 | 32400 | 1.57 | 503 | .0 |
| | RAM | 1.07 | 1.04 | -.01 | -.01 | 1.25 | 1.42 | -.42 | .01 | .00 |
| | BLEED | -3.58 | -1.50 | -.63 | 2.35 | -1.92 | -3.76 | 2.39 | .08 | .00 |
| | POWER | -2.59 | .31 | -.02 | 2.55 | -.48 | -.92 | 1.24 | -.01 | .00 |
| 2.00 | 7.24 | 9.96 | 60201 | 2311 | 1962 | 77900 | 38100 | 1.58 | 477 | .0 |
| | RAM | 1.08 | 1.05 | -.02 | -.01 | 1.24 | 1.42 | -.39 | .00 | .00 |
| | BLEED | -3.40 | -1.60 | -.63 | 2.14 | -1.84 | -3.84 | 2.38 | .06 | .00 |
| | POWER | -2.06 | .25 | -.00 | 2.05 | -.33 | -.68 | .94 | .00 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

36089 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| .60 | NR = 1.00 | 1.28 | 3150 | 7820 | 1.41 | 921 | 45.8 | 174 | 1554 |
| | P2 = 4.19 | RAM | 1.01 | 1.40 | -.90 | -.00 | 1.01 | 1.01 | .00 |
| | T2 = 418 | BLEED | .87 | -2.78 | 2.21 | -.69 | -1.97 | .87 | .01 |
| | ERI = 101 | POWER | 2.20 | -2.76 | 3.52 | .12 | .39 | 2.20 | .01 |
| .90 | NR = 1.00 | 1.69 | 6060 | 9450 | 1.38 | 994 | 60.5 | 224 | 1659 |
| | P2 = 5.55 | RAM | 1.00 | 1.35 | -.82 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = 453 | BLEED | .70 | -2.80 | 2.19 | -.68 | -1.96 | .70 | .01 |
| | ERI = 101 | POWER | 1.74 | -.90 | 1.81 | .12 | .41 | 1.74 | .05 |
| 1.20 | NR = .991 | 2.41 | 10900 | 13400 | 1.32 | 1083 | 83.6 | 302 | 1765 |
| | P2 = 7.89 | RAM | 1.01 | 1.76 | -.81 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = 503 | BLEED | .20 | -3.91 | 2.52 | -.68 | -1.97 | .20 | -.00 |
| | ERI = 0 | POWER | .38 | -1.19 | 1.92 | .08 | .25 | .38 | -.00 |
| 1.50 | NR = .971 | 3.56 | 18300 | 17400 | 1.31 | 1161 | 110.5 | 405 | 1765 |
| | P2 = 11.70 | RAM | 1.04 | 1.59 | -.60 | -.00 | 1.04 | 1.04 | -.00 |
| | T2 = 566 | BLEED | .10 | -3.88 | 2.57 | -.53 | -1.85 | .10 | -.00 |
| | ERI = 0 | POWER | -.01 | -.97 | 1.47 | .04 | .16 | -.01 | .00 |
| 1.80 | NR = .945 | 5.43 | 29700 | 21600 | 1.35 | 1257 | 147.1 | 548 | 1765 |
| | P2 = 17.82 | RAM | 1.06 | 1.48 | -.45 | -.00 | 1.07 | 1.06 | -.00 |
| | T2 = 643 | BLEED | .08 | -4.49 | 3.39 | -.56 | -1.85 | .08 | .01 |
| | ERI = 0 | POWER | -.01 | -1.11 | 1.57 | .03 | .14 | -.01 | .01 |
| 2.00 | NR = .925 | 7.24 | 39900 | 24600 | 1.39 | 1327 | 177.2 | 663 | 1779 |
| | P2 = 23.76 | RAM | 1.08 | 1.54 | -.49 | -.00 | 1.08 | 1.08 | .00 |
| | T2 = 702 | BLEED | .06 | -4.65 | 3.47 | -.54 | -1.93 | .06 | -.00 |
| | ERI = 0 | POWER | .00 | -.65 | 1.01 | .03 | .12 | .00 | -.00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| .60 | 1.28 | 2.83 | 11026 | 1587 | 1500 | 12100 | 8990 | 1.23 | 550 | 6.6 |
| | RAM | 1.03 | .51 | -.29 | -.20 | 1.29 | 1.39 | -.95 | .01 | .00 |
| | BLEED | -2.75 | -.66 | -.78 | 2.25 | -1.73 | -2.64 | 2.06 | .87 | .00 |
| | POWER | -5.63 | .73 | -2.15 | 6.60 | -1.33 | -2.57 | 3.33 | 2.20 | .00 |
| .90 | 1.69 | 3.72 | 13062 | 1555 | 1446 | 17000 | 10900 | 1.20 | 553 | 6.6 |
| | RAM | 1.02 | .58 | -.25 | -.16 | 1.20 | 1.31 | -.77 | .00 | .00 |
| | BLEED | -3.14 | -.70 | -.66 | 2.48 | -1.68 | -3.01 | 2.41 | .70 | .00 |
| | POWER | -5.71 | .91 | -1.40 | 6.55 | -.86 | -2.31 | 3.25 | 1.74 | .00 |
| 1.20 | 2.41 | 5.05 | 17768 | 1614 | 1468 | 25500 | 14600 | 1.22 | 554 | 6.6 |
| | RAM | 1.02 | 1.02 | .02 | -.00 | 1.27 | 1.46 | -.48 | .00 | .00 |
| | BLEED | -2.92 | -1.54 | -.83 | 1.67 | -1.98 | -3.61 | 2.19 | .20 | .00 |
| | POWER | -3.94 | .72 | -.35 | 4.04 | -.79 | -1.67 | 2.41 | .38 | .00 |
| 1.50 | 3.56 | 6.49 | 22803 | 1630 | 1534 | 36300 | 18000 | 1.27 | 531 | 6.6 |
| | RAM | 1.04 | 1.04 | .01 | -.00 | 1.25 | 1.48 | -.47 | .01 | .00 |
| | BLEED | -2.91 | -1.46 | -.70 | 1.63 | -1.88 | -3.89 | 2.58 | .10 | .00 |
| | POWER | -2.74 | .48 | -.11 | 2.61 | -.64 | -1.27 | 1.77 | -.01 | .00 |
| 1.80 | 5.43 | 8.38 | 29190 | 1647 | 1610 | 51800 | 22100 | 1.32 | 503 | 6.6 |
| | RAM | 1.07 | 1.07 | .01 | -.00 | 1.25 | 1.51 | -.48 | .01 | .00 |
| | BLEED | -3.48 | -1.33 | -.60 | 2.25 | -1.86 | -4.46 | 3.35 | .08 | .00 |
| | POWER | -2.47 | .44 | -.05 | 2.39 | -.46 | -1.08 | 1.53 | -.01 | .00 |
| 2.00 | 7.24 | 10.18 | 34288 | 1671 | 1614 | 65200 | 25300 | 1.36 | 477 | 3.0 |
| | RAM | 1.08 | 1.08 | -.00 | -.00 | 1.25 | 1.51 | -.46 | .00 | .00 |
| | BLEED | -3.30 | -1.43 | -.61 | 2.05 | -1.78 | -4.70 | 3.52 | .06 | .00 |
| | POWER | -1.97 | .35 | -.04 | 1.92 | -.32 | -.84 | 1.21 | .00 | .00 |

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CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|------|------|-------|------|------|
| .60 | NR = | 1.00 | 1.28 | 3150 | 6040 | .91 | 921 | 45.8 | 174 | 1554 |
| | P2 = | 4.19 | RAM | 1.01 | 1.91 | -.98 | -.00 | 1.01 | 1.01 | .00 |
| | T2 = | 418 | BLEED | .87 | -3.09 | 1.86 | -.69 | -1.97 | .87 | .01 |
| | ERI = | 101 | POWER | 2.20 | -1.16 | 2.63 | .12 | .39 | 2.20 | .01 |
| .90 | NR = | 1.00 | 1.69 | 6060 | 7900 | .96 | 994 | 60.5 | 224 | 1659 |
| | P2 = | 5.55 | RAM | 1.00 | 1.72 | -.77 | -.00 | 1.01 | 1.00 | -.00 |
| | T2 = | 453 | BLEED | .70 | -3.53 | 2.45 | -.68 | -1.96 | .70 | .01 |
| | ERI = | 101 | POWER | 1.74 | -1.40 | 2.99 | .12 | .41 | 1.74 | .05 |
| 1.20 | NR = | .991 | 2.41 | 10900 | 9380 | 1.14 | 1083 | 83.6 | 302 | 1765 |
| | P2 = | 7.89 | RAM | 1.01 | 1.66 | -.83 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = | 503 | BLEED | .20 | -3.85 | 2.78 | -.68 | -1.97 | .20 | -.00 |
| | ERI = | 0 | POWER | .38 | -1.40 | 2.85 | .08 | .25 | .38 | -.00 |
| 1.50 | NR = | .971 | 3.56 | 18300 | 12000 | 1.13 | 1161 | 110.5 | 405 | 1765 |
| | P2 = | 11.70 | RAM | 1.04 | 1.81 | -.84 | -.00 | 1.04 | 1.04 | -.00 |
| | T2 = | 566 | BLEED | .10 | -4.84 | 3.94 | -.53 | -1.85 | .10 | -.00 |
| | ERI = | 0 | POWER | -.01 | -1.43 | 2.17 | .04 | .16 | -.01 | .00 |
| 1.80 | NR = | .945 | 5.43 | 29700 | 14400 | 1.16 | 1257 | 147.1 | 548 | 1765 |
| | P2 = | 17.82 | RAM | 1.06 | 1.68 | -.67 | -.00 | 1.07 | 1.06 | -.00 |
| | T2 = | 643 | BLEED | .08 | -5.31 | 4.74 | -.56 | -1.85 | .08 | .01 |
| | ERI = | 0 | POWER | -.01 | -1.14 | 1.81 | .03 | .14 | -.01 | .01 |
| 2.00 | NR = | .925 | 7.24 | 39900 | 15900 | 1.22 | 1327 | 177.2 | 663 | 1779 |
| | P2 = | 23.76 | RAM | 1.08 | 1.66 | -.63 | -.00 | 1.08 | 1.08 | .00 |
| | T2 = | 702 | BLEED | .06 | -6.05 | 5.51 | -.54 | -1.93 | .06 | -.00 |
| | ERI = | 0 | POWER | .00 | -1.07 | 1.63 | .03 | .12 | .00 | -.00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|--------|
| .60 | 1.28 | 2.88 | 5526 | 1070 | 1203 | 9890 | 6740 | .82 | 550 | 15.1 |
| | RAM | 1.02 | 1.02 | .00 | -.06 | 1.42 | 1.62 | -.65 | .01 | .00 |
| | BLEED | -2.67 | -1.32 | -1.14 | 2.05 | -1.84 | -3.11 | 1.87 | .87 | .00 |
| | POWER | -5.43 | 1.46 | -1.90 | 6.68 | -1.03 | -2.54 | 4.03 | 2.20 | .00 |
| .90 | 1.69 | 3.77 | 7562 | 1144 | 1217 | 14500 | 8400 | .90 | 553 | 15.1 |
| | RAM | 1.01 | 1.01 | .01 | -.01 | 1.32 | 1.55 | -.58 | .00 | .00 |
| | BLEED | -3.07 | -1.22 | -.97 | 2.25 | -1.80 | -3.60 | 2.52 | .70 | .00 |
| | POWER | -5.56 | 1.57 | -1.16 | 6.51 | -.64 | -2.35 | 3.96 | 1.74 | .00 |
| 1.20 | 2.41 | 5.11 | 10735 | 1223 | 1254 | 22000 | 11100 | .97 | 554 | 6.6 |
| | RAM | 1.02 | 1.01 | .00 | -.01 | 1.26 | 1.50 | -.53 | .00 | -25.76 |
| | BLEED | -2.89 | -1.26 | -.71 | 1.73 | -1.88 | -3.93 | 2.84 | .20 | 85.86 |
| | POWER | -3.84 | 1.02 | -.38 | 3.96 | -.76 | -1.89 | 2.94 | .38 | 221.11 |
| 1.50 | 3.56 | 6.57 | 13502 | 1240 | 1314 | 31400 | 13100 | 1.03 | 531 | 6.6 |
| | RAM | 1.04 | 1.04 | .00 | -.01 | 1.25 | 1.54 | -.54 | .01 | .00 |
| | BLEED | -2.87 | -1.19 | -.61 | 1.66 | -1.80 | -4.46 | 3.51 | .10 | .00 |
| | POWER | -2.67 | .71 | -.17 | 2.53 | -.64 | -1.53 | 2.26 | -.01 | .00 |
| 1.80 | 5.43 | 8.49 | 16813 | 1261 | 1382 | 44800 | 15200 | 1.11 | 503 | 6.6 |
| | RAM | 1.07 | 1.07 | .00 | -.01 | 1.25 | 1.60 | -.58 | .01 | .00 |
| | BLEED | -3.42 | -.95 | -.47 | 2.28 | -1.76 | -5.37 | 4.80 | .08 | .00 |
| | POWER | -2.40 | .65 | -.09 | 2.31 | -.46 | -1.36 | 2.04 | -.01 | .00 |
| 2.00 | 7.24 | 10.32 | 19376 | 1288 | 1390 | 56600 | 16700 | 1.16 | 477 | 6.6 |
| | RAM | 1.08 | 1.08 | .00 | -.00 | 1.24 | 1.63 | -.60 | .00 | .00 |
| | BLEED | -3.25 | -1.04 | -.50 | 2.07 | -1.70 | -5.92 | 5.36 | .06 | .00 |
| | POWER | -1.92 | .54 | -.09 | 1.84 | -.34 | -1.14 | 1.70 | .00 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| .60 | NR = | 1.00 | 1.28 | 3190 | 5800 | .90 | 917 | 45.2 | 177 | 1498 |
| | P2 = | 4.19 | RAM | 1.02 | 1.89 | -1.04 | -.01 | 1.00 | 1.02 | -.05 |
| | T2 = | 418 | BLEED | .06 | -1.04 | 2.73 | -.46 | -1.21 | .06 | 2.01 |
| | ERI = | 101 | POWER | -.51 | 7.34 | 5.87 | 1.04 | 3.48 | -.51 | 7.72 |
| .90 | NR = | 1.00 | 1.69 | 6060 | 7420 | .95 | 982 | 58.8 | 224 | 1597 |
| | P2 = | 5.55 | RAM | 1.01 | 1.77 | -.85 | -.00 | 1.01 | 1.01 | -.01 |
| | T2 = | 453 | BLEED | .07 | -1.12 | 2.81 | -.47 | -1.23 | .07 | 1.95 |
| | ERI = | 0 | POWER | -.41 | 5.86 | 4.43 | .80 | 2.65 | -.41 | 5.89 |
| 1.20 | NR = | .991 | 2.41 | 10500 | 9380 | 1.00 | 1049 | 77.2 | 290 | 1671 |
| | P2 = | 7.89 | RAM | 1.01 | 1.63 | -.68 | -.00 | 1.01 | 1.01 | -.01 |
| | T2 = | 503 | BLEED | .09 | -.87 | 3.06 | -.37 | -1.06 | .09 | 2.19 |
| | ERI = | 0 | POWER | -.47 | 4.72 | 3.31 | .57 | 1.96 | -.47 | 4.55 |

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CEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|------|------|-------|
| .60 | 1.28 | 2.76 | 5236 | 1029 | 1249 | 9650 | 6460 | .81 | 557 | 15.1 |
| | RAM | .95 | .95 | -.04 | .00 | 1.40 | 1.59 | -.70 | .02 | .00 |
| | BLEED | -.41 | 1.64 | 1.03 | .00 | -.57 | -.88 | 2.55 | .06 | .00 |
| | POWER | 2.74 | 13.33 | 6.36 | .00 | 3.99 | 6.22 | 6.99 | -.51 | .00 |
| .90 | 1.69 | 3.60 | 7067 | 1102 | 1249 | 14000 | 7900 | .89 | 553 | 15.1 |
| | RAM | 1.01 | 1.00 | -.00 | .00 | 1.33 | 1.58 | -.63 | .01 | .00 |
| | BLEED | -.48 | 1.64 | .98 | .00 | -.55 | -1.03 | 2.71 | .07 | .00 |
| | POWER | 2.19 | 10.39 | 4.85 | .00 | 2.87 | 5.39 | 4.90 | -.41 | .00 |
| 1.20 | 2.41 | 4.79 | 9356 | 1161 | 1249 | 20200 | 9730 | .96 | 532 | 15.1 |
| | RAM | 1.01 | 1.00 | -.01 | .00 | 1.27 | 1.54 | -.58 | .01 | .00 |
| | BLEED | -.27 | 2.16 | 1.19 | .00 | -.35 | -.83 | 3.02 | .09 | .00 |
| | POWER | 1.61 | 8.11 | 3.74 | .00 | 1.91 | 4.48 | 3.54 | -.47 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 8.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|------|-------|-------|------|-------|------|------|
| .60 | NR = | 1.00 | 1.28 | 3130 | 5370 | .91 | 899 | 43.4 | 174 | 1449 |
| | P2 = | 4.19 | RAM | 1.02 | 1.82 | -.97 | -.01 | .99 | 1.02 | -.05 |
| | T2 = | 418 | BLEED | .06 | -1.02 | 2.80 | +.45 | -1.19 | .06 | 2.08 |
| | ERI = | 0 | POWER | -.56 | 8.09 | 6.33 | 1.15 | 3.76 | -.56 | 8.42 |
| .90 | NR = | 1.00 | 1.69 | 5810 | 6300 | .96 | 948 | 53.9 | 214 | 1499 |
| | P2 = | 5.55 | RAM | 1.01 | 1.91 | -1.00 | -.00 | 1.01 | 1.01 | -.01 |
| | T2 = | 453 | BLEED | .09 | -.90 | 3.04 | -.37 | -1.06 | .09 | 2.22 |
| | ERI = | 0 | POWER | -.59 | 7.28 | 4.72 | .88 | 2.96 | -.59 | 6.97 |
| 1.20 | NR = | .991 | 2.41 | 9900 | 7730 | 1.01 | 1013 | 69.3 | 274 | 1566 |
| | P2 = | 7.89 | RAM | 1.01 | 1.75 | -.82 | -.00 | 1.01 | 1.01 | -.01 |
| | T2 = | 503 | BLEED | .11 | -.94 | 3.26 | -.39 | -1.04 | .11 | 2.23 |
| | ERI = | 0 | POWER | -.58 | 6.03 | 3.65 | .68 | 2.31 | -.58 | 5.49 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 8.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FN8 | SFC8 | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|------|------|------|-------|
| .60 | 1.28 | 2.67 | 4865 | 998 | 1249 | 9190 | 6050 | .80 | 547 | 15.1 |
| | RAM | .95 | .94 | -.04 | .00 | 1.42 | 1.62 | -.74 | .02 | 11.26 |
| | BLEED | -.37 | 1.74 | 1.07 | .00 | -.55 | -.86 | 2.64 | .06 | .00 |
| | POWER | 2.93 | 14.56 | 6.85 | .00 | 4.32 | 6.84 | 7.57 | -.56 | .00 |
| .90 | 1.69 | 3.34 | 6074 | 1038 | 1249 | 12600 | 6840 | .89 | 530 | 15.1 |
| | RAM | 1.01 | 1.00 | -.00 | .00 | 1.35 | 1.65 | -.71 | .01 | .00 |
| | BLEED | -.28 | 2.10 | 1.19 | .00 | -.39 | -.80 | 2.93 | .09 | .00 |
| | POWER | 2.40 | 12.12 | 5.61 | .00 | 3.19 | 6.41 | 5.59 | -.59 | .00 |
| 1.20 | 2.41 | 4.38 | 7825 | 1089 | 1249 | 18000 | 8110 | .96 | 502 | 15.1 |
| | RAM | 1.01 | 1.00 | -.00 | .00 | 1.28 | 1.62 | -.67 | .00 | .00 |
| | BLEED | -.26 | 2.27 | 1.19 | .00 | -.34 | -.88 | 3.19 | .11 | .00 |
| | POWER | 1.75 | 9.78 | 4.38 | .00 | 2.22 | 5.64 | 4.04 | -.58 | .00 |

GEI 84219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|-----------|-------|-------|-------|-------|------|-------|-------|------|
| .60 | NR = 1.00 | 1.28 | 2980 | 4570 | .91 | 868 | 39.5 | 165 | 1364 |
| | P2 = 4.19 | RAM | 1.02 | 1.61 | -.72 | -.01 | 1.00 | 1.02 | -.05 |
| | T2 = 418 | BLEED | .11 | -.68 | 2.82 | -.37 | -1.04 | .11 | 2.27 |
| | ERI = 0 | POWER | -1.00 | 7.78 | 8.96 | 1.23 | 4.13 | -1.00 | 9.95 |
| .90 | NR = 1.00 | 1.69 | 5460 | 5010 | 1.00 | 913 | 47.9 | 202 | 1398 |
| | P2 = 5.55 | RAM | 1.02 | 2.02 | -1.21 | -.01 | .99 | 1.02 | -.05 |
| | T2 = 453 | BLEED | .11 | -1.01 | 3.27 | -.40 | -1.06 | .11 | 2.25 |
| | ERI = 0 | POWER | -.79 | 9.59 | 5.38 | 1.07 | 3.61 | -.79 | 8.68 |
| 1.20 | NR = .991 | 2.41 | 9040 | 5440 | 1.07 | 960 | 57.7 | 250 | 1410 |
| | P2 = 7.89 | RAM | 1.01 | 2.04 | -1.16 | -.00 | 1.01 | 1.01 | -.01 |
| | T2 = 503 | BLEED | .11 | -1.33 | 3.77 | -.41 | -1.14 | .11 | 2.27 |
| | ERI = 0 | POWER | -.64 | 9.05 | 3.76 | .80 | 3.01 | -.64 | 7.03 |

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CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|------|-------|-------|
| .60 | 1.28 | 2.47 | 4173 | 942 | 1249 | 8180 | 5200 | .80 | 520 | 6.6 |
| | RAM | .96 | .94 | -.04 | .00 | 1.46 | 1.72 | -.85 | .02 | .00 |
| | BLEED | -.25 | 2.11 | 1.21 | .00 | -.39 | -.68 | 2.82 | .11 | .00 |
| | POWER | 3.09 | 16.91 | 7.95 | .00 | 4.62 | 7.84 | 8.90 | -1.00 | .00 |
| .90 | 1.69 | 3.03 | 5017 | 969 | 1249 | 11100 | 5600 | .90 | 499 | 15.1 |
| | RAM | .95 | .93 | -.05 | .00 | 1.36 | 1.69 | -.84 | .02 | .00 |
| | BLEED | -.28 | 2.21 | 1.17 | .00 | -.39 | -.88 | 3.13 | .11 | .00 |
| | POWER | 2.84 | 15.12 | 6.79 | .00 | 3.83 | 8.34 | 6.62 | -.79 | .00 |
| 1.20 | 2.41 | 3.78 | 5800 | 982 | 1249 | 14900 | 5890 | .98 | 459 | 15.1 |
| | RAM | 1.01 | 1.00 | -.00 | .00 | 1.32 | 1.79 | -.88 | .00 | .00 |
| | BLEED | -.31 | 2.37 | 1.12 | .00 | -.41 | -1.19 | 3.63 | .11 | .00 |
| | POWER | 2.20 | 12.93 | 5.31 | .00 | 2.82 | 8.13 | 4.67 | -.64 | .00 |

GEI 84219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.10.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| .60 | NR = | 1.00 | 1.28 | 2770 | 3480 | .97 | 831 | 34.3 | 153 | 1271 |
| | P2 = | 4.19 | RAM | 1.02 | 1.79 | -.94 | -.01 | 1.00 | 1.02 | -.05 |
| | T2 = | 418 | BLEED | .11 | -.87 | 3.10 | -.41 | -1.08 | .11 | 2.32 |
| | ERI = | 0 | POWER | -1.22 | 11.70 | 9.82 | 1.61 | 5.33 | -1.22 | 12.73 |
| .90 | NR = | 1.00 | 1.69 | 4930 | 3220 | 1.13 | 861 | 39.3 | 182 | 1249 |
| | P2 = | 5.55 | RAM | 1.02 | 1.97 | -1.17 | -.01 | .99 | 1.02 | -.06 |
| | T2 = | 453 | BLEED | .10 | -1.53 | 3.90 | -.42 | -1.18 | .10 | 2.29 |
| | ERI = | 0 | POWER | -.94 | 14.65 | 4.75 | 1.24 | 4.64 | -.94 | 10.77 |
| 1.20 | NR = | .991 | 2.41 | 8070 | 2970 | 1.27 | 899 | 45.4 | 223 | 1209 |
| | P2 = | 7.89 | RAM | 1.01 | 2.81 | -2.14 | -.00 | 1.01 | 1.01 | -.02 |
| | T2 = | 503 | BLEED | .08 | -2.63 | 5.29 | -.42 | -1.35 | .08 | 2.22 |
| | ERI = | 0 | POWER | -.49 | 17.51 | 1.62 | 1.15 | 4.37 | -.49 | 9.50 |
| 1.50 | NR = | .971 | 3.56 | 18300 | 12000 | 1.13 | 1161 | 110.5 | 405 | 1765 |
| | P2 = | 11.70 | RAM | 1.04 | 1.81 | -.84 | -.00 | 1.04 | 1.04 | .00 |
| | T2 = | 566 | BLEED | .10 | -4.84 | 3.94 | -.53 | -1.85 | .10 | -.00 |
| | ERI = | 0 | POWER | -.01 | -1.43 | 2.17 | .04 | .16 | -.01 | .00 |
| 1.80 | NR = | .945 | 5.43 | 29700 | 14400 | 1.16 | 1257 | 147.1 | 548 | 1765 |
| | P2 = | 17.82 | RAM | 1.06 | 1.68 | -.67 | -.00 | 1.07 | 1.06 | -.00 |
| | T2 = | 643 | BLEED | .08 | -5.31 | 4.74 | -.56 | -1.85 | .08 | .01 |
| | ERI = | 0 | POWER | -.01 | -1.14 | 1.82 | .03 | .14 | -.01 | .01 |
| 2.00 | NR = | .925 | 7.24 | 39900 | 15900 | 1.22 | 1327 | 177.2 | 663 | 1779 |
| | P2 = | 23.76 | RAM | 1.08 | 1.66 | -.63 | -.00 | 1.08 | 1.08 | -.00 |
| | T2 = | 702 | BLEED | .06 | -6.05 | 5.51 | -.54 | -1.93 | .06 | -.00 |
| | ERI = | 0 | POWER | .00 | -1.07 | 1.63 | .03 | .12 | .00 | -.00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.10.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|
| .60 | 1.28 | 2.22 | 3376 | 875 | 1249 | 6910 | 4140 | .81 | 483 | 15.1 |
| | RAM | .96 | .94 | -.04 | .00 | 1.54 | 1.88 | -1.04 | .02 | .00 |
| | BLEED | -.26 | 2.19 | 1.18 | .00 | -.44 | -.80 | 3.03 | .11 | .00 |
| | POWER | 3.70 | 21.74 | 9.83 | .00 | 5.97 | 10.78 | 10.74 | -1.22 | .00 |
| .90 | 1.69 | 2.60 | 3638 | 868 | 1249 | 8840 | 3920 | .93 | 450 | 15.1 |
| | RAM | .95 | .92 | -.05 | .00 | 1.43 | 1.94 | -1.14 | .02 | 11.26 |
| | BLEED | -.32 | 2.28 | 1.09 | .00 | -.48 | -1.21 | 3.56 | .10 | .00 |
| | POWER | 3.11 | 19.56 | 8.00 | .00 | 4.61 | 11.59 | 7.77 | -.94 | .00 |
| 1.20 | 2.41 | 3.14 | 3778 | 853 | 1249 | 11600 | 3550 | 1.06 | 409 | 15.1 |
| | RAM | 1.00 | .98 | -.01 | .00 | 1.38 | 2.20 | -1.38 | .01 | .00 |
| | BLEED | -.47 | 2.44 | .95 | .00 | -.60 | -2.13 | 4.72 | .08 | .00 |
| | POWER | 2.74 | 19.20 | 6.58 | .00 | 4.02 | 14.26 | 4.77 | -.49 | .00 |
| 1.50 | 3.56 | 6.57 | 13502 | 1240 | 1314 | 31400 | 13100 | 1.03 | 531 | 6.6 |
| | RAM | 1.04 | 1.04 | .00 | -.01 | 1.25 | 1.54 | -.54 | .01 | .00 |
| | BLEED | -2.87 | -1.19 | -.61 | 1.66 | -1.80 | -4.46 | 3.51 | .10 | .00 |
| | POWER | -2.67 | .71 | -.17 | 2.53 | -.64 | -1.53 | 2.26 | -.01 | .00 |
| 1.80 | 5.43 | 8.49 | 16813 | 1261 | 1382 | 44800 | 15200 | 1.11 | 503 | 6.6 |
| | RAM | 1.07 | 1.07 | .00 | -.01 | 1.25 | 1.60 | -.58 | .01 | .00 |
| | BLEED | -3.42 | -.95 | -.47 | 2.28 | -1.76 | -5.37 | 4.80 | .08 | .00 |
| | POWER | -2.40 | .65 | -.09 | 2.31 | -.46 | -1.36 | 2.04 | -.01 | .00 |
| 2.00 | 7.24 | 10.32 | 19376 | 1288 | 1390 | 56600 | 16700 | 1.16 | 477 | 6.6 |
| | RAM | 1.08 | 1.08 | .00 | -.00 | 1.24 | 1.63 | -.60 | .00 | .00 |
| | BLEED | -3.25 | -1.04 | -.50 | 2.07 | -1.70 | -5.92 | 5.36 | .06 | .00 |
| | POWER | -1.92 | .54 | -.09 | 1.84 | -.34 | -1.14 | 1.70 | .00 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|--------|-------|--------|-------|--------|--------|-------|
| .60 | NR = 1.00 | 1.28 | 2070 | -630 | -1.245 | 690 | 17.0 | 114 | 720 |
| | P2 = 4.19 | RAM | 1.17 | -.63 | .61 | .01 | 1.01 | 1.17 | -.59 |
| | T2 = 418 | BLEED | -1.98 | 5.83 | -5.36 | -1.22 | -4.39 | -1.98 | 1.61 |
| | ERI = 100 | POWER | -27.50 | 26.06 | -25.50 | -8.48 | -31.09 | -27.50 | 10.59 |
| .90 | NR = 1.00 | 1.69 | 3960 | -1620 | -.480 | 740 | 21.5 | 146 | 680 |
| | P2 = 5.55 | RAM | 1.08 | -.01 | .01 | -.01 | .96 | 1.08 | -.44 |
| | T2 = 453 | BLEED | -1.95 | 3.08 | -2.95 | -1.20 | -4.57 | -1.95 | 1.04 |
| | ERI = 100 | POWER | -19.55 | 5.61 | -5.57 | -6.50 | -23.49 | -19.55 | 4.71 |
| 1.20 | NR = .991 | 2.41 | 6490 | -1770 | -.440 | 787 | 26.1 | 180 | 695 |
| | P2 = 7.89 | RAM | .96 | -.48 | .47 | -.03 | .86 | .96 | -.30 |
| | T2 = 503 | BLEED | -1.49 | 5.87 | -5.40 | -.91 | -3.67 | -1.49 | .45 |
| | ERI = 100 | POWER | -13.26 | 13.06 | -12.83 | -2.83 | -11.64 | -13.26 | .93 |
| 1.50 | NR = .971 | 3.56 | 18300 | 8140 | 1.28 | 1146 | 104.3 | 406 | 1492 |
| | P2 = 11.70 | RAM | 1.04 | 2.18 | -1.30 | -.00 | 1.04 | 1.04 | -.01 |
| | T2 = 566 | BLEED | .03 | -1.70 | 4.36 | -.30 | -1.13 | .03 | 2.14 |
| | ERI = 0 | POWER | -.03 | 4.81 | .98 | .27 | 1.24 | -.03 | 2.93 |
| 1.80 | NR = .945 | 5.43 | 29700 | 10700 | 1.29 | 1244 | 140.9 | 548 | 1560 |
| | P2 = 17.82 | RAM | 1.06 | 1.96 | -1.00 | -.00 | 1.07 | 1.06 | -.01 |
| | T2 = 643 | BLEED | .04 | -1.91 | 4.76 | -.33 | -1.15 | .04 | 2.10 |
| | ERI = 0 | POWER | -.03 | 3.65 | .82 | .21 | .93 | -.03 | 2.15 |
| 2.00 | NR = .925 | 7.24 | 39900 | 11400 | 1.37 | 1313 | 169.3 | 663 | 1567 |
| | P2 = 23.76 | RAM | 1.08 | 1.92 | -.93 | -.00 | 1.08 | 1.08 | -.00 |
| | T2 = 702 | BLEED | .03 | -2.44 | 5.46 | -.36 | -1.21 | .03 | 1.99 |
| | ERI = 0 | POWER | -.02 | 3.32 | .63 | .17 | .79 | -.02 | 1.77 |

CONFIDENTIAL

CEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 36089 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|--------|-------|--------|--------|-------|
| .60 | 1.28 | 1.11 | 780 | 555 | 2400 | 1580 | -490 | -1.595 | 361 | 6.6 |
| | RAM | .19 | -.00 | -.30 | .00 | 1.93 | -1.28 | 1.21 | .18 | .00 |
| | BLEED | -.59 | .00 | .28 | .00 | -5.31 | 8.76 | -7.75 | -1.98 | .00 |
| | POWER | -5.93 | .00 | 2.35 | .00 | -50.09 | 45.44 | -43.7 | -27.50 | .00 |
| .90 | 1.69 | 1.19 | 780 | 561 | 2400 | 2540 | -1420 | -.550 | 362 | 6.6 |
| | RAM | .28 | .00 | -.21 | .00 | 1.80 | -.22 | .22 | .08 | .00 |
| | BLEED | -.96 | .00 | .06 | .00 | -5.34 | 4.12 | -3.88 | -1.95 | .00 |
| | POWER | -6.98 | -.00 | .16 | .00 | -36.22 | 10.28 | -10.1 | -19.55 | .00 |
| 1.20 | 2.41 | 1.61 | 780 | 591 | 1690 | 5220 | -1260 | -.615 | 329 | 6.6 |
| | RAM | .63 | .00 | -.15 | .00 | 1.50 | -1.26 | 1.19 | -.05 | .00 |
| | BLEED | -1.75 | .00 | -.10 | .00 | -4.25 | 9.90 | -8.62 | -1.49 | .00 |
| | POWER | -9.67 | .00 | -.79 | .00 | -23.11 | 27.48 | -26.4 | -13.26 | .00 |
| 1.50 | 3.56 | 4.72 | 10417 | 1092 | 1690 | 27200 | 8920 | 1.17 | 532 | 6.6 |
| | RAM | 1.03 | 1.03 | -.00 | .00 | 1.30 | 1.83 | -.89 | .01 | .00 |
| | BLEED | -.35 | 2.54 | 1.13 | .00 | -.47 | -1.50 | 4.13 | .03 | .00 |
| | POWER | 1.13 | 5.83 | 2.07 | .00 | 1.35 | 4.19 | 1.59 | -.03 | .00 |
| 1.80 | 5.43 | 6.57 | 13799 | 1155 | 1690 | 40800 | 11100 | 1.24 | 504 | 6.6 |
| | RAM | 1.06 | 1.06 | -.00 | .00 | 1.27 | 1.84 | -.86 | .01 | .00 |
| | BLEED | -.31 | 2.71 | 1.07 | .00 | -.47 | -1.83 | 4.66 | .04 | .00 |
| | POWER | .78 | 4.50 | 1.48 | .00 | .92 | 3.47 | 1.00 | -.03 | .00 |
| 2.00 | 7.24 | 8.02 | 15585 | 1177 | 1690 | 51800 | 11800 | 1.32 | 477 | 6.6 |
| | RAM | 1.08 | 1.08 | -.00 | .00 | 1.27 | 1.90 | -.91 | .00 | .00 |
| | BLEED | -.43 | 2.82 | .98 | .00 | -.52 | -2.38 | 5.39 | .03 | .00 |
| | POWER | .63 | 3.98 | 1.19 | .00 | .74 | 3.28 | .67 | -.02 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| .60 | NR = | 1.00 | 1.28 | 3170 | 13200 | 2.47 | 1010 | 45.4 | 167 | 1682 |
| | P2 = | 4.19 | RAM | 1.01 | 1.67 | -.86 | -.00 | 1.01 | 1.01 | -.00 |
| | T2 = | 461 | BLEED | .52 | -3.05 | 1.56 | -.68 | -1.96 | .52 | .01 |
| | ERI = | 101 | POWER | 1.79 | -3.16 | 3.95 | .16 | .55 | 1.79 | .04 |
| .90 | NR = | 1.00 | 1.69 | 6070 | 17800 | 2.33 | 1081 | 58.9 | 213 | 1765 |
| | P2 = | 5.55 | RAM | 1.01 | 1.55 | -.70 | -.00 | 1.01 | 1.01 | -.00 |
| | T2 = | 500 | BLEED | .18 | -3.26 | 1.72 | -.68 | -1.97 | .18 | -.00 |
| | ERI = | 0 | POWER | .48 | -2.91 | 3.47 | .11 | .35 | .48 | -.01 |
| 1.20 | NR = | .991 | 2.41 | 10600 | 22700 | 2.25 | 1148 | 76.1 | 278 | 1765 |
| | P2 = | 7.90 | RAM | 1.02 | 1.42 | -.48 | -.00 | 1.02 | 1.02 | .00 |
| | T2 = | 554 | BLEED | .07 | -5.18 | -1.15 | -.54 | -1.87 | .07 | -.00 |
| | ERI = | 1 | POWER | -.04 | -6.75 | -4.47 | .06 | .23 | -.04 | .00 |
| 1.50 | NR = | .971 | 3.57 | 17500 | 28200 | 2.07 | 1234 | 99.6 | 370 | 1765 |
| | P2 = | 11.70 | RAM | 1.03 | 1.45 | -.46 | -.00 | 1.04 | 1.03 | .00 |
| | T2 = | 624 | BLEED | .09 | -6.36 | -.30 | -.55 | -1.85 | .09 | .00 |
| | ERI = | 1 | POWER | -.01 | -6.22 | -2.08 | .05 | .19 | -.01 | .00 |
| 2.00 | NR = | .925 | 7.25 | 36500 | 45900 | 2.14 | 1401 | 155.2 | 578 | 1842 |
| | P2 = | 23.79 | RAM | 1.08 | 1.35 | -.33 | -.00 | 1.09 | 1.08 | -.00 |
| | T2 = | 774 | BLEED | .40 | -3.30 | 1.18 | -.54 | -2.04 | .40 | -.00 |
| | ERI = | 0 | POWER | .26 | -.55 | .75 | .03 | .12 | .26 | -.01 |

CONFIDENTIAL

CONFIDENTIAL

GEI 34216

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|--------|-------|------|-------|-------|-------|------|-------|
| .60 | 1.28 | 2.64 | 32665 | 3201 | 2276 | 16800 | 13600 | 2.40 | 553 | 6.6 |
| | RAM | 1.01 | .88 | .05 | .01 | 1.49 | 1.61 | -.79 | .01 | .00 |
| | BLEED | -3.39 | -1.57 | -.83 | 2.43 | -2.58 | -3.30 | 1.83 | .52 | .00 |
| | POWER | -8.96 | .76 | -1.41 | 9.81 | -3.27 | -4.45 | 5.28 | 1.79 | .00 |
| .90 | 1.69 | 3.37 | 41282 | 3324 | 2318 | 24100 | 18000 | 2.29 | 554 | 6.6 |
| | RAM | 1.01 | .91 | .04 | .01 | 1.39 | 1.52 | -.66 | .01 | .00 |
| | BLEED | -3.13 | -1.63 | -.77 | 1.84 | -2.42 | -3.29 | 1.74 | .18 | .00 |
| | POWER | -6.22 | .52 | -.70 | 6.21 | -2.17 | -3.07 | 3.63 | .48 | .00 |
| 1.20 | 2.41 | 4.22 | 51054 | 3321 | 2401 | 33700 | 23200 | 2.20 | 535 | 6.6 |
| | RAM | 1.02 | .97 | .01 | -.00 | 1.32 | 1.46 | -.52 | .01 | .00 |
| | BLEED | -2.82 | -6.24 | -3.01 | -.03 | -3.60 | -5.27 | -1.05 | .07 | .00 |
| | POWER | -3.73 | -11.06 | -5.74 | -.05 | -4.73 | -6.87 | -4.35 | -.04 | .00 |
| 1.50 | 3.57 | 5.40 | 58430 | 3136 | 2401 | 46100 | 28600 | 2.04 | 509 | 3.0 |
| | RAM | 1.04 | 1.03 | .02 | .00 | 1.30 | 1.45 | -.46 | .00 | .00 |
| | BLEED | -3.14 | -6.63 | -3.78 | -.02 | -3.89 | -6.33 | -.33 | .09 | .00 |
| | POWER | -3.10 | -8.20 | -5.16 | -.03 | -3.84 | -6.19 | -2.10 | -.01 | .00 |
| 2.00 | 7.25 | 9.08 | 98373 | 3393 | 2338 | 84000 | 47400 | 2.07 | 436 | .0 |
| | RAM | 1.10 | 1.04 | -.02 | -.02 | 1.26 | 1.40 | -.38 | .00 | .00 |
| | BLEED | -2.97 | -2.18 | -.93 | 1.79 | -1.71 | -3.33 | 1.21 | .40 | .00 |
| | POWER | -2.10 | .19 | -.13 | 2.25 | -.19 | -.54 | .73 | .26 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| .60 | NR = | 1.00 | 1.28 | 3170 | 5950 | .96 | 1010 | 45.4 | 167 | 1682 |
| | P2 = | 4.19 | RAM | 1.01 | 1.93 | -1.02 | -.00 | 1.01 | 1.01 | -.00 |
| | T2 = | 461 | BLEED | .52 | -3.67 | 2.61 | -.68 | -1.96 | .52 | .01 |
| | ERI = | 101 | POWER | 1.79 | -2.50 | 4.70 | .16 | .55 | 1.79 | .04 |
| .90 | NR = | 1.00 | 1.69 | 6070 | 7510 | 1.01 | 1081 | 58.9 | 213 | 1765 |
| | P2 = | 5.55 | RAM | 1.01 | 1.78 | -.84 | -.00 | 1.01 | 1.01 | -.00 |
| | T2 = | 500 | BLEED | .18 | -4.16 | 3.09 | -.68 | -1.97 | .18 | -.00 |
| | ERI = | 0 | POWER | .48 | -2.93 | 4.42 | .11 | .35 | .48 | -.01 |
| 1.20 | NR = | .991 | 2.41 | 10600 | 8830 | 1.06 | 1148 | 76.1 | 278 | 1765 |
| | P2 = | 7.90 | RAM | 1.02 | 1.70 | -.75 | -.00 | 1.02 | 1.02 | .00 |
| | T2 = | 554 | BLEED | .07 | -4.64 | 3.69 | -.54 | -1.87 | .07 | -.00 |
| | ERI = | 0 | POWER | -.04 | -2.65 | 3.73 | .06 | .23 | -.04 | .00 |
| 1.50 | NR = | .971 | 3.57 | 17500 | 9290 | 1.25 | 1234 | 99.6 | 370 | 1765 |
| | P2 = | 11.70 | RAM | 1.03 | 2.10 | -1.19 | -.00 | 1.04 | 1.03 | .00 |
| | T2 = | 624 | BLEED | .09 | -5.92 | 5.38 | -.55 | -1.85 | .09 | .00 |
| | ERI = | 0 | POWER | -.01 | -2.15 | 3.07 | .05 | .19 | -.01 | .00 |
| 2.00 | NR = | .925 | 7.25 | 36500 | 12800 | 1.31 | 1401 | 155.2 | 578 | 1842 |
| | P2 = | 23.79 | RAM | 1.08 | 1.89 | -.88 | -.00 | 1.09 | 1.08 | -.00 |
| | T2 = | 774 | BLEED | .40 | -6.78 | 6.19 | -.54 | -2.04 | .40 | -.00 |
| | ERI = | 0 | POWER | .26 | -1.38 | 1.99 | .03 | .12 | .26 | -.01 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| .60 | 1.28 | 2.82 | 5719 | 1158 | 1229 | 9800 | 6620 | .86 | 553 | 15.1 |
| | RAM | 1.02 | 1.01 | .00 | -.06 | 1.43 | 1.63 | -.68 | .01 | .00 |
| | BLEED | -3.09 | -1.21 | -.87 | 2.28 | -2.26 | -3.59 | 2.52 | .52 | .00 |
| | POWER | -7.73 | 2.16 | -1.22 | 9.01 | -2.14 | -4.02 | 6.26 | 1.79 | .00 |
| .90 | 1.69 | 3.60 | 7589 | 1221 | 1255 | 14100 | 7980 | .95 | 554 | 15.1 |
| | RAM | 1.02 | 1.01 | .00 | -.01 | 1.34 | 1.59 | -.63 | .01 | .00 |
| | BLEED | -2.89 | -1.26 | -.70 | 1.70 | -2.14 | -3.91 | 2.81 | .18 | .00 |
| | POWER | -5.41 | 1.44 | -.52 | 5.54 | -1.58 | -3.14 | 4.64 | .48 | .00 |
| 1.20 | 2.41 | 4.53 | 9381 | 1236 | 1307 | 19700 | 9180 | 1.02 | 535 | 15.1 |
| | RAM | 1.02 | 1.02 | .00 | -.01 | 1.29 | 1.60 | -.63 | .01 | .00 |
| | BLEED | -2.88 | -1.21 | -.60 | 1.64 | -2.02 | -4.43 | 3.45 | .07 | .00 |
| | POWER | -3.87 | 1.02 | -.24 | 3.65 | -1.20 | -2.54 | 3.61 | -.04 | .00 |
| 1.50 | 3.57 | 5.78 | 11571 | 1255 | 1368 | 28000 | 10500 | 1.10 | 509 | 6.6 |
| | RAM | 1.04 | 1.04 | .00 | -.01 | 1.26 | 1.65 | -.66 | .00 | .00 |
| | BLEED | -3.25 | -1.02 | -.51 | 2.09 | -1.91 | -5.25 | 4.60 | .09 | .00 |
| | POWER | -3.27 | .87 | -.16 | 3.13 | -.82 | -2.19 | 3.11 | -.01 | .00 |
| 2.00 | 7.25 | 9.69 | 16700 | 1347 | 1324 | 50000 | 13500 | 1.24 | 436 | 6.6 |
| | RAM | 1.09 | 1.09 | .00 | -.01 | 1.26 | 1.72 | -.69 | .00 | .00 |
| | BLEED | -2.74 | -1.22 | -.69 | 1.78 | -1.41 | -6.32 | 5.64 | .40 | .00 |
| | POWER | -1.81 | .58 | -.22 | 1.92 | -.14 | -1.23 | 1.83 | .26 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|-------|-------|
| .60 | NR = 1.00 | 1.28 | 2810 | 3900 | .97 | 923 | 35.5 | 148 | 1428 |
| | P2 = 4.19 | RAM | 1.02 | 2.75 | -2.09 | -.01 | 1.00 | 1.02 | -.04 |
| | T2 = 461 | BLEED | .11 | -.75 | 2.96 | -.41 | -1.06 | .11 | 2.29 |
| | ERI = 0 | POWER | -1.28 | 9.39 | 10.01 | 1.43 | 4.77 | -1.28 | 11.36 |
| .90 | NR = 1.00 | 1.69 | 5030 | 3650 | 1.15 | 959 | 41.1 | 177 | 1424 |
| | P2 = 5.55 | RAM | 1.02 | 2.37 | -1.64 | -.01 | .99 | 1.02 | -.06 |
| | T2 = 500 | BLEED | .11 | -1.25 | 3.69 | -.40 | -1.11 | .11 | 2.32 |
| | ERI = 0 | POWER | -.90 | 12.58 | 4.84 | 1.10 | 4.13 | -.90 | 9.69 |
| 1.20 | NR = .991 | 2.41 | 8240 | 3480 | 1.27 | 1001 | 47.7 | 217 | 1381 |
| | P2 = 7.90 | RAM | 1.01 | 2.62 | -1.87 | -.00 | 1.02 | 1.01 | -.01 |
| | T2 = 554 | BLEED | .07 | -2.07 | 4.76 | -.42 | -1.29 | .07 | 2.30 |
| | ERI = 0 | POWER | -.59 | 15.11 | 2.24 | 1.05 | 4.02 | -.59 | 8.80 |
| 1.50 | NR = .971 | 3.57 | 17500 | 9290 | 1.25 | 1234 | 99.6 | 370 | 1765 |
| | P2 = 11.70 | RAM | 1.03 | 2.10 | -1.19 | -.00 | 1.04 | 1.03 | .00 |
| | T2 = 624 | BLEED | .09 | -5.92 | 5.38 | -.55 | -1.85 | .09 | .00 |
| | ERI = 0 | POWER | -.01 | -2.15 | 3.07 | .05 | .19 | -.01 | .00 |
| 2.00 | NR = .925 | 7.25 | 36500 | 12800 | 1.31 | 1401 | 155.2 | 578 | 1842 |
| | P2 = 23.79 | RAM | 1.08 | 1.89 | -.88 | -.00 | 1.09 | 1.08 | .00 |
| | T2 = 774 | BLEED | .40 | -6.78 | 6.19 | -.54 | -2.04 | .40 | -.00 |
| | ERI = 0 | POWER | .26 | -1.38 | 1.99 | .03 | .12 | .26 | -.01 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|
| .60 | 1.28 | 2.28 | 3777 | 987 | 1249 | 7210 | 4400 | .86 | 490 | 6.6 |
| | RAM | .96 | .95 | -.04 | .00 | 1.52 | 1.84 | -.98 | .03 | -25.76 |
| | BLEED | -.25 | 2.18 | 1.19 | .00 | -.41 | -.74 | 2.96 | .11 | .00 |
| | POWER | 3.35 | 19.61 | 9.01 | .00 | 5.21 | 9.35 | 10.05 | -1.28 | .00 |
| .90 | 1.69 | 2.70 | 4196 | 988 | 1249 | 9360 | 4330 | .97 | 460 | 15.1 |
| | RAM | .95 | .92 | -.05 | .00 | 1.41 | 1.87 | -1.04 | .02 | .00 |
| | BLEED | -.27 | 2.37 | 1.17 | .00 | -.41 | -1.01 | 3.43 | .11 | .00 |
| | POWER | 2.86 | 17.57 | 7.36 | .00 | 4.19 | 10.12 | 7.27 | -.90 | .00 |
| 1.20 | 2.41 | 3.26 | 4413 | 972 | 1249 | 12300 | 4030 | 1.10 | 418 | 15.1 |
| | RAM | 1.01 | 1.00 | -.00 | .00 | 1.37 | 2.10 | -1.23 | .01 | .00 |
| | BLEED | -.34 | 2.53 | 1.05 | .00 | -.53 | -1.74 | 4.39 | .07 | .00 |
| | POWER | 2.85 | 17.45 | 6.33 | .00 | 3.70 | 12.48 | 4.80 | -.59 | .00 |
| 1.50 | 3.57 | 5.78 | 11571 | 1255 | 1368 | 28000 | 10500 | 1.10 | 509 | 6.6 |
| | RAM | 1.04 | 1.04 | .00 | -.01 | 1.26 | 1.65 | -.66 | .00 | .00 |
| | BLEED | -3.25 | -1.02 | -.51 | 2.09 | -1.91 | -5.25 | 4.60 | .09 | .00 |
| | POWER | -3.27 | .87 | -.16 | 3.13 | -.82 | -2.19 | 3.11 | -.01 | .00 |
| 2.00 | 7.25 | 9.69 | 16700 | 1347 | 1324 | 50000 | 13500 | 1.24 | 436 | 6.6 |
| | RAM | 1.09 | 1.09 | .00 | -.01 | 1.26 | 1.72 | -.69 | .00 | .00 |
| | BLEED | -2.74 | -1.22 | -.69 | 1.78 | -1.41 | -6.32 | 5.64 | .40 | .00 |
| | POWER | -1.81 | .58 | -.22 | 1.92 | -.14 | -1.23 | 1.83 | .26 | .00 |

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CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|--------|--------|------|-------|------|-------|
| .60 | NR = | 1.00 | 1.28 | 2260 | 540 | 2.48 | 800 | 21.0 | 119 | 943 |
| | P2 = | 4.19 | RAM | 1.04 | 3.82 | -4.49 | -.04 | .85 | 1.04 | -.46 |
| | T2 = | 461 | BLEED | .02 | -4.44 | 8.34 | -.40 | -1.36 | .02 | 2.38 |
| | ERI = | 0 | POWER | -.14 | 47.11 | -6.87 | 1.88 | 8.23 | -.14 | 16.85 |
| .90 | NR = | 1.00 | 1.69 | 4030 | -340 | -3.460 | 829 | 23.2 | 141 | 873 |
| | P2 = | 5.55 | RAM | 1.01 | -5.20 | 4.42 | -.02 | .91 | 1.01 | -.30 |
| | T2 = | 500 | BLEED | .02 | 9.96 | -4.94 | -.41 | -1.45 | .02 | 2.26 |
| | ERI = | 0 | POWER | -.05 | -76.20 | 131.77 | 1.42 | 7.36 | -.05 | 14.80 |
| 1.20 | NR = | .991 | 2.41 | 6460 | -1470 | -.625 | 867 | 26.3 | 170 | 795 |
| | P2 = | 7.90 | RAM | 1.02 | -.97 | 1.31 | -.02 | .94 | 1.02 | -.21 |
| | T2 = | 554 | BLEED | .01 | 3.39 | 3.01 | -.42 | -1.57 | .01 | 2.08 |
| | ERI = | 0 | POWER | -.02 | -19.39 | 77.08 | 1.20 | 6.90 | -.02 | 13.56 |
| 1.50 | NR = | .971 | 3.57 | 17600 | 7250 | 1.36 | 1224 | 96.3 | 370 | 1598 |
| | P2 = | 11.70 | RAM | 1.04 | 2.37 | -1.52 | -.00 | 1.04 | 1.04 | -.01 |
| | T2 = | 624 | BLEED | .04 | -1.93 | 4.60 | -.34 | -1.14 | .04 | 2.08 |
| | ERI = | 0 | POWER | -.05 | 5.52 | .82 | .33 | 1.35 | -.05 | 3.15 |
| 2.00 | NR = | .925 | 7.25 | 37000 | 8270 | 1.50 | 1383 | 146.2 | 585 | 1581 |
| | P2 = | 23.79 | RAM | 1.09 | 2.25 | -1.32 | -.00 | 1.09 | 1.09 | -.01 |
| | T2 = | 774 | BLEED | .02 | -2.87 | 6.57 | -.30 | -1.20 | .02 | 2.13 |
| | ERI = | 0 | POWER | -.01 | 4.73 | .28 | .20 | .96 | -.01 | 2.05 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 36089 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|--------|---------|------|-------|
| .60 | 1.28 | 1.37 | 1342 | 690 | 1587 | 3100 | 840 | 1.60 | 395 | 6.6 |
| | RAM | .44 | .19 | -.30 | .00 | 1.57 | 3.02 | -3.34 | .04 | .00 |
| | BLEED | -.24 | 3.34 | 1.01 | .00 | -.84 | -3.16 | 6.82 | .02 | .00 |
| | POWER | 2.62 | 39.87 | 10.18 | .00 | 8.96 | 33.51 | 6.12 | -.14 | .00 |
| .90 | 1.69 | 1.50 | 1191 | 671 | 1587 | 4070 | 50 | 24.52 | 367 | 6.6 |
| | RAM | .58 | .37 | -.17 | .00 | 1.60 | 49.74 | 33.20 | .02 | .00 |
| | BLEED | -.32 | 4.28 | .90 | .00 | -.92 | -78.04 | -482.63 | .02 | .00 |
| | POWER | 2.60 | 42.73 | 8.06 | .00 | 7.07 | 597.51 | -314.46 | -.05 | .00 |
| 1.20 | 2.41 | 1.70 | 914 | 663 | 1587 | 5530 | -940 | -.975 | 328 | 6.6 |
| | RAM | .73 | .40 | -.10 | .00 | 1.60 | -2.44 | 2.53 | .01 | .00 |
| | BLEED | -.45 | 6.55 | .79 | .00 | -.99 | 5.88 | .62 | .01 | .00 |
| | POWER | 2.62 | 55.51 | 6.61 | .00 | 5.68 | -33.67 | 93.77 | -.02 | .00 |
| 1.50 | 3.57 | 4.77 | 9888 | 1167 | 1587 | 25800 | 8210 | 1.20 | 510 | 6.6 |
| | RAM | 1.03 | 1.03 | -.00 | .00 | 1.29 | 1.85 | -.91 | .01 | .00 |
| | BLEED | -.38 | 2.54 | 1.08 | .00 | -.49 | -1.61 | 4.25 | .04 | .00 |
| | POWER | 1.12 | 6.37 | 2.21 | .00 | 1.43 | 4.58 | 1.74 | -.05 | .00 |
| 2.00 | 7.25 | 7.63 | 12438 | 1201 | 1587 | 45700 | 8700 | 1.43 | 442 | 6.6 |
| | RAM | 1.09 | 1.08 | -.00 | .00 | 1.28 | 2.11 | -1.15 | .01 | .00 |
| | BLEED | -.41 | 3.43 | 1.04 | .00 | -.50 | -2.71 | 6.40 | .02 | .00 |
| | POWER | .72 | 5.03 | 1.34 | .00 | .84 | 4.47 | .53 | -.01 | .00 |

11. 45000 FEET

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CONFIDENTIAL

GEI 04210

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| M | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| .90 | | 1.00 | 1.69 | 3940 | 12200 | 2.37 | 995 | 39.2 | 145 | 1659 |
| | | 3.62 | RAM | 1.01 | 1.57 | -.77 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = | 453 | BLEED | .55 | -3.15 | 1.70 | -.68 | -1.96 | .55 | .01 |
| | ERI = | 101 | POWER | 2.19 | -4.36 | 5.29 | .19 | .65 | 2.19 | .06 |
| 1.20 | NR = | .991 | 2.41 | 7100 | 17300 | 2.22 | 1084 | 54.2 | 196 | 1765 |
| | P2 = | 5.14 | RAM | 1.02 | 1.44 | -.58 | -.00 | 1.02 | 1.02 | .00 |
| | T2 = | 503 | BLEED | .14 | -3.10 | 1.55 | -.66 | -1.97 | .14 | -.00 |
| | ERI = | 0 | POWER | .40 | -2.33 | 2.91 | .11 | .38 | .40 | -.01 |
| 1.50 | NR = | .971 | 3.56 | 11900 | 22600 | 2.09 | 1162 | 71.8 | 263 | 1765 |
| | P2 = | 7.62 | RAM | 1.04 | 1.39 | -.46 | -.00 | 1.04 | 1.04 | .00 |
| | T2 = | 566 | BLEED | .10 | -5.29 | -.93 | -.54 | -1.86 | .10 | -.00 |
| | ERI = | 1 | POWER | -.01 | -7.27 | -4.35 | .06 | .26 | -.01 | .03 |
| 1.80 | NR = | .945 | 5.43 | 19300 | 27600 | 1.97 | 1257 | 95.5 | 356 | 1765 |
| | P2 = | 11.61 | RAM | 1.06 | 1.33 | -.30 | -.00 | 1.07 | 1.06 | .00 |
| | T2 = | 643 | BLEED | .08 | -6.76 | -.71 | -.56 | -1.86 | .08 | .01 |
| | ERI = | 1 | POWER | -.01 | -7.10 | -2.57 | .06 | .23 | -.01 | .01 |
| 2.00 | NR = | .925 | 7.24 | 26000 | 33000 | 1.98 | 1327 | 115.2 | 431 | 1779 |
| | P2 = | 15.48 | RAM | 1.09 | 1.36 | -.30 | -.00 | 1.09 | 1.09 | .00 |
| | T2 = | 702 | BLEED | .06 | -6.60 | -.28 | -.53 | -1.94 | .06 | -.00 |
| | ERI = | 1 | POWER | .00 | -5.73 | -1.79 | .04 | .18 | .00 | -.00 |
| 2.30 | NR = | .893 | 11.2 | 38100 | 44600 | 2.08 | 1429 | 147.8 | 551 | 1867 |
| | P2 = | 23.90 | RAM | 1.12 | 1.32 | -.23 | -.00 | 1.13 | 1.12 | .00 |
| | T2 = | 802 | BLEED | .42 | -2.82 | 1.62 | -.54 | -2.07 | .42 | -.00 |
| | ERI = | 1 | POWER | .30 | -.41 | .93 | .03 | .13 | .30 | -.00 |
| 2.45 | NR = | .876 | 13.9 | 45600 | 48700 | 2.05 | 1482 | 165.9 | 618 | 1916 |
| | P2 = | 29.64 | RAM | 1.14 | 1.13 | -.36 | -.00 | 1.14 | 1.14 | -.00 |
| | T2 = | 857 | BLEED | .72 | -2.32 | 2.18 | -.55 | -2.11 | .72 | .00 |
| | ERI = | 0 | POWER | .49 | -.56 | .67 | .03 | .13 | .49 | .00 |

CONFIDENTIAL

GEI 84210

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|--------|--------|-------|-------|-------|-------|-------|------|--------|
| .90 | 1.69 | 3.51 | 28763 | 3164 | 2271 | 16300 | 12300 | 2.33 | 552 | 6.6 |
| | RAM | 1.01 | .86 | .11 | .04 | 1.40 | 1.52 | -.72 | .01 | .00 |
| | BLEED | -3.38 | -1.53 | -.98 | 2.35 | -2.22 | -3.10 | 1.65 | .55 | .00 |
| | POWER | -10.35 | .87 | -2.14 | 11.13 | -2.68 | -4.24 | 5.16 | 2.19 | .00 |
| 1.20 | 2.41 | 4.75 | 38322 | 3313 | 2321 | 24700 | 17600 | 2.18 | 553 | 3.0 |
| | RAM | 1.02 | .91 | .04 | .01 | 1.30 | 1.42 | -.55 | .01 | -24.00 |
| | BLEED | -3.13 | -1.62 | -.73 | 1.83 | -2.15 | -3.07 | 1.52 | .14 | .00 |
| | POWER | -6.66 | .55 | -.68 | 6.59 | -1.78 | -2.66 | 3.24 | .40 | .00 |
| 1.50 | 3.56 | 6.09 | 47230 | 3287 | 2401 | 34800 | 23000 | 2.06 | 530 | 3.0 |
| | RAM | 1.04 | .97 | .01 | -.00 | 1.27 | 1.40 | -.46 | .01 | .00 |
| | BLEED | -2.83 | -6.14 | -3.12 | -.03 | -3.44 | -5.27 | -.94 | .10 | .00 |
| | POWER | -3.94 | -11.46 | -6.20 | -.07 | -4.79 | -7.26 | -4.37 | -.01 | .00 |
| 1.80 | 5.43 | 7.89 | 54360 | 3084 | 2401 | 47700 | 28400 | 1.91 | 502 | 3.0 |
| | RAM | 1.07 | 1.06 | .02 | .00 | 1.27 | 1.41 | -.39 | .01 | .00 |
| | BLEED | -3.42 | -7.39 | -4.32 | -.03 | -4.11 | -6.95 | -.50 | .08 | .00 |
| | POWER | -3.60 | -9.54 | -6.15 | -.07 | -4.36 | -7.31 | -2.34 | -.01 | .00 |
| 2.00 | 7.24 | 9.61 | 65144 | 3121 | 2401 | 60200 | 34200 | 1.90 | 476 | .0 |
| | RAM | 1.09 | 1.08 | .02 | .00 | 1.28 | 1.42 | -.36 | .01 | .00 |
| | BLEED | -3.19 | -6.85 | -3.89 | -.03 | -3.77 | -6.68 | -.19 | .06 | .00 |
| | POWER | -2.78 | -7.43 | -4.73 | -.05 | -3.30 | -5.81 | -1.71 | .00 | .00 |
| 2.30 | 11.2 | 13.71 | 92974 | 3400 | 2268 | 85500 | 47300 | 1.96 | 421 | .0 |
| | RAM | 1.13 | 1.11 | .00 | -.01 | 1.28 | 1.40 | -.32 | .00 | .00 |
| | BLEED | -2.91 | -1.27 | -.51 | 2.02 | -1.31 | -2.70 | 1.49 | .42 | .00 |
| | POWER | -2.12 | .52 | .00 | 2.39 | .01 | -.23 | .75 | .30 | .00 |
| 2.45 | 13.9 | 16.43 | 100040 | 3368 | 2115 | 97500 | 51900 | 1.93 | 394 | .0 |
| | RAM | 1.16 | .80 | -.19 | -.14 | 1.17 | 1.20 | -.43 | -.00 | .00 |
| | BLEED | -2.90 | -.21 | -.12 | 2.54 | -.73 | -2.00 | 1.84 | .72 | .00 |
| | POWER | -1.80 | .11 | -.30 | 2.06 | .07 | -.29 | .40 | .49 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

45000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| .90 | NR = 1.00 | 1.69 | 3940 | 10900 | 2.02 | 995 | 39.2 | 145 | 1659 |
| | P2 = 3.62 | RAM | 1.01 | 1.59 | -.77 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = 453 | BLEED | .55 | -3.27 | 1.83 | -.68 | -1.96 | .55 | .01 |
| | ERI = 101 | POWER | 2.19 | -3.55 | 4.57 | .19 | .65 | 2.19 | .06 |
| 1.20 | NR = .991 | 2.41 | 7100 | 15400 | 1.90 | 1084 | 54.2 | 196 | 1765 |
| | P2 = 5.14 | RAM | 1.02 | 1.42 | -.54 | -.00 | 1.02 | 1.02 | .00 |
| | T2 = 503 | BLEED | .14 | -3.27 | 1.74 | -.66 | -1.97 | .14 | -.00 |
| | ERI = 0 | POWER | .40 | -2.73 | 3.38 | .11 | .38 | .40 | -.01 |
| 1.50 | NR = .971 | 3.56 | 11900 | 20000 | 1.87 | 1162 | 71.8 | 263 | 1765 |
| | P2 = 7.62 | RAM | 1.04 | 1.42 | -.50 | -.00 | 1.04 | 1.04 | .00 |
| | T2 = 566 | BLEED | .10 | -3.22 | 1.75 | -.54 | -1.86 | .10 | -.00 |
| | ERI = 0 | POWER | -.01 | -1.60 | 2.05 | .06 | .26 | -.01 | .03 |
| 1.80 | NR = .945 | 5.43 | 19300 | 25800 | 1.87 | 1257 | 95.5 | 356 | 1765 |
| | P2 = 11.61 | RAM | 1.06 | 1.32 | -.34 | -.00 | 1.07 | 1.06 | .00 |
| | T2 = 643 | BLEED | .08 | -3.42 | 1.98 | -.56 | -1.86 | .08 | .01 |
| | ERI = 0 | POWER | -.01 | -1.35 | 1.77 | .06 | .23 | -.01 | .01 |
| 2.00 | NR = .925 | 7.24 | 26000 | 30400 | 1.87 | 1327 | 115.2 | 431 | 1779 |
| | P2 = 15.48 | RAM | 1.09 | 1.35 | -.34 | -.00 | 1.09 | 1.09 | .00 |
| | T2 = 702 | BLEED | .06 | -3.57 | 2.05 | -.53 | -1.94 | .06 | -.00 |
| | ERI = 0 | POWER | .00 | -1.12 | 1.45 | .04 | .18 | .00 | -.00 |
| 2.30 | NR = .893 | 11.2 | 38100 | 38400 | 1.87 | 1429 | 147.8 | 551 | 1867 |
| | P2 = 23.90 | RAM | 1.12 | 1.34 | -.27 | -.00 | 1.13 | 1.12 | .00 |
| | T2 = 802 | BLEED | .42 | -3.49 | 1.77 | -.54 | -2.07 | .42 | -.00 |
| | ERI = 0 | POWER | .30 | -.69 | .93 | .03 | .13 | .30 | -.00 |
| 2.45 | NR = .876 | 13.9 | 45600 | 42700 | 1.88 | 1482 | 165.9 | 618 | 1916 |
| | P2 = 29.64 | RAM | 1.14 | 1.32 | -.23 | -.00 | 1.14 | 1.14 | -.00 |
| | T2 = 857 | BLEED | .72 | -3.57 | 1.83 | -.55 | -2.11 | .72 | .00 |
| | ERI = 0 | POWER | .49 | -.61 | .85 | .03 | .13 | .49 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|
| .90 | 1.69 | 3.56 | 21907 | 2772 | 2069 | 15100 | 11100 | 1.97 | 552 | 6.6 |
| | RAM | 1.02 | .88 | .05 | .01 | 1.37 | 1.50 | -.67 | .01 | .00 |
| | BLEED | -3.28 | -1.53 | -1.24 | 2.12 | -2.29 | -3.29 | 1.85 | .55 | .00 |
| | POWER | -9.98 | .98 | -2.43 | 10.58 | -2.60 | -4.29 | 5.33 | 2.19 | .00 |
| 1.20 | 2.41 | 4.82 | 29392 | 2885 | 2105 | 22800 | 15700 | 1.88 | 553 | 6.6 |
| | RAM | 1.03 | .92 | .00 | -.01 | 1.28 | 1.41 | -.52 | .01 | .00 |
| | BLEED | -3.05 | -1.61 | -.90 | 1.69 | -2.18 | -3.23 | 1.70 | .14 | .00 |
| | POWER | -6.44 | .62 | -.66 | 6.35 | -1.66 | -2.60 | 3.25 | .40 | .00 |
| 1.50 | 3.56 | 6.18 | 37508 | 2882 | 2190 | 32300 | 20400 | 1.84 | 530 | 3.0 |
| | RAM | 1.05 | .96 | -.01 | -.01 | 1.26 | 1.39 | -.46 | .01 | .00 |
| | BLEED | -3.08 | -1.56 | -.76 | 1.77 | -2.01 | -3.24 | 1.76 | .10 | .00 |
| | POWER | -4.58 | .44 | -.18 | 4.39 | -1.12 | -1.76 | 2.22 | -.01 | .00 |
| 1.80 | 5.43 | 7.96 | 48206 | 2866 | 2283 | 45800 | 26500 | 1.82 | 502 | 3.0 |
| | RAM | 1.08 | 1.00 | -.02 | -.02 | 1.25 | 1.39 | -.41 | .01 | .00 |
| | BLEED | -3.87 | -1.54 | -.64 | 2.64 | -2.02 | -3.55 | 2.13 | .08 | .00 |
| | POWER | -4.34 | .40 | -.03 | 4.29 | -.84 | -1.45 | 1.87 | -.01 | .00 |
| 2.00 | 7.24 | 9.70 | 56965 | 2879 | 2272 | 57500 | 31500 | 1.81 | 476 | .0 |
| | RAM | 1.10 | 1.04 | -.01 | -.02 | 1.26 | 1.40 | -.39 | .01 | .00 |
| | BLEED | -3.57 | -1.64 | -.67 | 2.30 | -1.92 | -3.55 | 2.02 | .06 | .00 |
| | POWER | -3.33 | .31 | -.03 | 3.29 | -.57 | -1.04 | 1.37 | .00 | .00 |
| 2.30 | 11.2 | 13.91 | 71937 | 2947 | 2057 | 78400 | 40300 | 1.79 | 421 | .0 |
| | RAM | 1.13 | 1.08 | -.02 | -.02 | 1.27 | 1.40 | -.34 | .00 | .00 |
| | BLEED | -2.80 | -1.81 | -.90 | 1.70 | -1.50 | -3.31 | 1.58 | .42 | .00 |
| | POWER | -2.02 | .24 | -.17 | 2.18 | -.07 | -.43 | .67 | .30 | .00 |
| 2.45 | 13.9 | 16.61 | 80202 | 2977 | 1947 | 90500 | 44900 | 1.78 | 394 | .0 |
| | RAM | 1.14 | 1.10 | -.03 | -.02 | 1.27 | 1.40 | -.32 | -.00 | .00 |
| | BLEED | -2.76 | -1.84 | -1.07 | 1.87 | -1.27 | -3.28 | 1.52 | .72 | .00 |
| | POWER | -1.76 | .23 | -.27 | 2.06 | .11 | -.27 | .50 | .49 | .00 |

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CONFIDENTIAL

GEI 64219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|------|------|-------|------|------|
| .90 | NR = | 1.00 | 1.69 | 3940 | 8760 | 1.72 | 995 | 39.2 | 145 | 1659 |
| | P2 = | 3.62 | RAM | 1.01 | 1.69 | -.85 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = | 453 | BLEED | .55 | -3.35 | 1.92 | -.68 | -1.96 | .55 | .01 |
| | ERI = | 101 | POWER | 2.19 | -2.69 | 3.91 | .19 | .65 | 2.19 | .06 |
| 1.20 | NR = | .991 | 2.41 | 7100 | 12600 | 1.62 | 1084 | 54.2 | 196 | 1765 |
| | P2 = | 5.14 | RAM | 1.02 | 1.52 | -.62 | -.00 | 1.02 | 1.02 | .00 |
| | T2 = | 503 | BLEED | .14 | -3.43 | 1.93 | -.66 | -1.97 | .14 | -.00 |
| | ERI = | 0 | POWER | .40 | -2.33 | 3.10 | .11 | .38 | .40 | -.01 |
| 1.50 | NR = | .971 | 3.56 | 11900 | 16300 | 1.61 | 1162 | 71.8 | 263 | 1765 |
| | P2 = | 7.62 | RAM | 1.04 | 1.41 | -.46 | -.00 | 1.04 | 1.04 | .00 |
| | T2 = | 566 | BLEED | .10 | -3.42 | 1.99 | -.54 | -1.86 | .10 | -.00 |
| | ERI = | 0 | POWER | -.01 | -1.76 | 2.31 | .06 | .26 | -.01 | .03 |
| 1.80 | NR = | .945 | 5.43 | 19300 | 20700 | 1.62 | 1257 | 95.5 | 356 | 1765 |
| | P2 = | 11.61 | RAM | 1.06 | 1.44 | -.45 | -.00 | 1.07 | 1.06 | .00 |
| | T2 = | 643 | BLEED | .08 | -4.03 | 2.72 | -.56 | -1.86 | .08 | .01 |
| | ERI = | 0 | POWER | -.01 | -1.88 | 2.39 | .06 | .23 | -.01 | .01 |
| 2.00 | NR = | .925 | 7.24 | 26000 | 24400 | 1.62 | 1327 | 115.2 | 431 | 1779 |
| | P2 = | 15.48 | RAM | 1.09 | 1.46 | -.44 | -.00 | 1.09 | 1.09 | .00 |
| | T2 = | 702 | BLEED | .06 | -3.92 | 2.49 | -.53 | -1.94 | .06 | -.00 |
| | ERI = | 0 | POWER | .00 | -1.09 | 1.48 | .04 | .18 | .00 | -.00 |
| 2.30 | NR = | .893 | 11.2 | 38100 | 30700 | 1.63 | 1429 | 147.8 | 551 | 1867 |
| | P2 = | 23.90 | RAM | 1.12 | 1.42 | -.35 | -.00 | 1.13 | 1.12 | .00 |
| | T2 = | 802 | BLEED | .42 | -3.76 | 2.13 | -.54 | -2.07 | .42 | -.00 |
| | ERI = | 0 | POWER | .30 | -.50 | .79 | .03 | .13 | .30 | -.00 |
| 2.45 | NR = | .876 | 13.9 | 45600 | 34000 | 1.64 | 1482 | 165.9 | 618 | 1916 |
| | P2 = | 29.64 | RAM | 1.14 | 1.42 | -.33 | -.00 | 1.14 | 1.14 | -.00 |
| | T2 = | 857 | BLEED | .72 | -3.94 | 2.30 | -.55 | -2.11 | .72 | .00 |
| | ERI = | 0 | POWER | .49 | -.51 | .79 | .03 | .13 | .49 | .00 |

CONFIDENTIAL

GRT 84210

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|
| .90 | 1.69 | 3.63 | 15052 | 2194 | 1780 | 13200 | 9310 | 1.62 | 552 | 6.6 |
| | RAM | 1.02 | .92 | .05 | .01 | 1.37 | 1.52 | -.65 | .01 | .00 |
| | BLEED | -3.20 | -1.53 | -1.24 | 2.07 | -2.21 | -3.38 | 1.95 | .55 | .00 |
| | POWER | -9.58 | 1.19 | -2.31 | 10.30 | -2.28 | -4.17 | 5.42 | 2.19 | .00 |
| 1.20 | 2.41 | 4.92 | 20462 | 2295 | 1816 | 20000 | 12900 | 1.58 | 553 | 6.6 |
| | RAM | 1.03 | .95 | .01 | -.00 | 1.28 | 1.43 | -.52 | .01 | .00 |
| | BLEED | -2.99 | -1.59 | -.89 | 1.64 | -2.13 | -3.37 | 1.87 | .14 | .00 |
| | POWER | -6.19 | .75 | -.62 | 6.16 | -1.53 | -2.60 | 3.38 | .40 | .00 |
| 1.50 | 3.56 | 6.31 | 26155 | 2301 | 1892 | 28500 | 16600 | 1.58 | 530 | 6.6 |
| | RAM | 1.05 | .98 | .00 | -.01 | 1.26 | 1.42 | -.47 | .01 | .00 |
| | BLEED | -3.01 | -1.53 | -.76 | 1.71 | -1.96 | -3.45 | 2.02 | .10 | .00 |
| | POWER | -4.39 | .53 | -.19 | 4.23 | -1.05 | -1.80 | 2.36 | -.01 | .00 |
| 1.80 | 5.43 | 8.14 | 33575 | 2299 | 1976 | 40400 | 21100 | 1.59 | 502 | .0 |
| | RAM | 1.07 | 1.02 | -.01 | -.02 | 1.25 | 1.42 | -.43 | .01 | .00 |
| | BLEED | -3.74 | -1.47 | -.64 | 2.51 | -1.96 | -3.83 | 2.50 | .08 | .00 |
| | POWER | -4.13 | .48 | -.04 | 4.07 | -.79 | -1.50 | 2.00 | -.01 | .00 |
| 2.00 | 7.24 | 9.91 | 39619 | 2318 | 1971 | 50800 | 24800 | 1.60 | 476 | .0 |
| | RAM | 1.09 | 1.05 | -.01 | -.01 | 1.26 | 1.44 | -.41 | .01 | .00 |
| | BLEED | -3.47 | -1.58 | -.67 | 2.19 | -1.88 | -3.90 | 2.47 | .06 | .00 |
| | POWER | -3.18 | .38 | -.05 | 3.12 | -.54 | -1.10 | 1.50 | .00 | .00 |
| 2.30 | 11.2 | 14.15 | 50089 | 2392 | 1800 | 69500 | 31300 | 1.60 | 421 | .0 |
| | RAM | 1.13 | 1.10 | -.01 | -.01 | 1.27 | 1.44 | -.37 | .00 | .00 |
| | BLEED | -2.74 | -1.75 | -.90 | 1.65 | -1.47 | -3.76 | 2.13 | .42 | .00 |
| | POWER | -1.95 | .28 | -.19 | 2.10 | -.06 | -.50 | .79 | .30 | .00 |
| 2.45 | 13.9 | 16.86 | 55851 | 2428 | 1711 | 80300 | 34700 | 1.61 | 394 | .0 |
| | RAM | 1.14 | 1.11 | -.02 | -.01 | 1.27 | 1.44 | -.35 | -.00 | .00 |
| | BLEED | -2.71 | -1.78 | -1.06 | 1.82 | -1.23 | -3.79 | 2.13 | .72 | .00 |
| | POWER | -1.69 | .27 | -.27 | 1.99 | .13 | -.35 | .63 | .49 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| .90 | NR = | 1.00 | 1.69 | 3940 | 6880 | 1.51 | 995 | 39.2 | 145 | 1659 |
| | P2 = | 3.62 | RAM | 1.01 | 1.49 | -1.09 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = | 453 | BLEED | .55 | -3.27 | 2.83 | -.68 | -1.96 | .55 | .01 |
| | ERI = | 101 | POWER | 2.19 | -3.85 | 5.08 | .19 | .65 | 2.19 | .06 |
| 1.20 | NR = | .991 | 2.41 | 7100 | 9110 | 1.37 | 1084 | 54.2 | 196 | 1765 |
| | P2 = | 5.14 | RAM | 1.02 | 1.46 | -.96 | -.00 | 1.02 | 1.02 | .00 |
| | T2 = | 503 | BLEED | .14 | -3.37 | 2.80 | -.66 | -1.97 | .14 | -.00 |
| | ERI = | 0 | POWER | .40 | -2.38 | 3.27 | .11 | .38 | .40 | -.01 |
| 1.50 | NR = | .971 | 3.56 | 11900 | 11200 | 1.32 | 1162 | 71.8 | 263 | 1765 |
| | P2 = | 7.62 | RAM | 1.04 | 1.61 | -.62 | -.00 | 1.04 | 1.04 | .00 |
| | T2 = | 566 | BLEED | .10 | -3.95 | 2.65 | -.54 | -1.86 | .10 | -.00 |
| | ERI = | 0 | POWER | -.01 | -1.53 | 2.32 | .06 | .26 | -.01 | .03 |
| 1.80 | NR = | .945 | 5.43 | 19300 | 14000 | 1.36 | 1257 | 95.5 | 356 | 1765 |
| | P2 = | 11.61 | RAM | 1.06 | 1.50 | -.46 | -.00 | 1.07 | 1.06 | .00 |
| | T2 = | 643 | BLEED | .08 | -4.62 | 3.54 | -.56 | -1.86 | .08 | .01 |
| | ERI = | 0 | POWER | -.01 | -1.78 | 2.51 | .06 | .23 | -.01 | .01 |
| 2.00 | NR = | .925 | 7.24 | 26000 | 15900 | 1.40 | 1327 | 115.2 | 431 | 1779 |
| | P2 = | 15.48 | RAM | 1.09 | 1.57 | -.52 | -.00 | 1.09 | 1.09 | .00 |
| | T2 = | 702 | BLEED | .06 | -4.76 | 3.59 | -.53 | -1.94 | .06 | -.00 |
| | ERI = | 0 | POWER | .00 | -1.08 | 1.64 | .04 | .18 | .00 | -.00 |
| 2.30 | NR = | .893 | 11.2 | 38100 | 19500 | 1.45 | 1429 | 147.8 | 551 | 1867 |
| | P2 = | 23.90 | RAM | 1.12 | 1.64 | -.55 | -.00 | 1.13 | 1.12 | .00 |
| | T2 = | 802 | BLEED | .42 | -5.01 | 3.67 | -.54 | -2.07 | .42 | -.00 |
| | ERI = | 0 | POWER | .30 | -.72 | 1.13 | .03 | .13 | .30 | -.00 |
| 2.45 | NR = | .876 | 13.9 | 45600 | 21500 | 1.46 | 1482 | 165.9 | 618 | 1916 |
| | P2 = | 29.64 | RAM | 1.14 | 1.60 | -.50 | -.00 | 1.14 | 1.14 | -.00 |
| | T2 = | 857 | BLEED | .72 | -5.19 | 3.88 | -.55 | -2.11 | .72 | .00 |
| | ERI = | 0 | POWER | .49 | -.64 | 1.04 | .03 | .13 | .49 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|
| .90 | 1.69 | 3.68 | 10399 | 1739 | 1550 | 11700 | 7760 | 1.34 | 552 | 6.6 |
| | RAM | 1.04 | .48 | -.25 | -.17 | 1.21 | 1.31 | -.89 | .01 | .00 |
| | BLEED | -3.18 | -.57 | -.61 | 2.40 | -1.83 | -3.04 | 2.59 | .55 | .00 |
| | POWER | -9.30 | 1.18 | -2.27 | 10.02 | -2.09 | -4.26 | 5.50 | 2.19 | .00 |
| 1.20 | 2.41 | 5.01 | 12470 | 1677 | 1507 | 16900 | 9800 | 1.27 | 553 | 6.6 |
| | RAM | 1.04 | .57 | -.26 | -.16 | 1.14 | 1.23 | -.70 | .01 | .00 |
| | BLEED | -2.96 | -.71 | -.33 | 1.92 | -1.78 | -3.17 | 2.58 | .14 | .00 |
| | POWER | -5.96 | .86 | -.67 | 5.88 | -1.45 | -2.80 | 3.70 | .40 | .00 |
| 1.50 | 3.56 | 6.45 | 14802 | 1620 | 1534 | 23500 | 11600 | 1.28 | 530 | 6.6 |
| | RAM | 1.04 | 1.04 | .02 | .01 | 1.26 | 1.50 | -.49 | .01 | .00 |
| | BLEED | -2.93 | -1.46 | -.74 | 1.63 | -1.91 | -3.97 | 2.67 | .10 | .00 |
| | POWER | -4.21 | .77 | -.21 | 3.99 | -1.00 | -2.00 | 2.80 | -.01 | .00 |
| 1.80 | 5.43 | 8.34 | 18944 | 1639 | 1611 | 33600 | 14300 | 1.33 | 502 | 6.6 |
| | RAM | 1.07 | 1.07 | .01 | -.00 | 1.26 | 1.52 | -.48 | .01 | .00 |
| | BLEED | -3.63 | -1.32 | -.60 | 2.41 | -1.89 | -4.55 | 3.47 | .08 | .00 |
| | POWER | -3.94 | .70 | -.07 | 3.83 | -.74 | -1.73 | 2.46 | -.01 | .00 |
| 2.00 | 7.24 | 10.15 | 22273 | 1666 | 1615 | 42300 | 16400 | 1.36 | 476 | 3.0 |
| | RAM | 1.09 | 1.09 | .01 | -.00 | 1.26 | 1.54 | -.48 | .01 | .00 |
| | BLEED | -3.37 | -1.42 | -.64 | 2.10 | -1.81 | -4.79 | 3.62 | .06 | .00 |
| | POWER | -3.03 | .55 | -.09 | 2.93 | -.51 | -1.34 | 1.90 | .00 | .00 |
| 2.30 | 11.2 | 14.41 | 28241 | 1750 | 1495 | 58300 | 20100 | 1.40 | 421 | .0 |
| | RAM | 1.13 | 1.13 | .01 | -.00 | 1.27 | 1.55 | -.45 | .00 | .00 |
| | BLEED | -2.69 | -1.61 | -.85 | 1.63 | -1.40 | -4.85 | 3.49 | .42 | .00 |
| | POWER | -1.87 | .41 | -.21 | 2.01 | -.05 | -.72 | 1.13 | .30 | .00 |
| 2.45 | 13.9 | 17.14 | 31501 | 1792 | 1431 | 67600 | 22100 | 1.43 | 394 | .0 |
| | RAM | 1.14 | 1.14 | -.00 | -.00 | 1.27 | 1.55 | -.44 | -.00 | .00 |
| | BLEED | -2.66 | -1.62 | -.97 | 1.83 | -1.15 | -5.00 | 3.66 | .72 | .00 |
| | POWER | -1.63 | .39 | -.27 | 1.93 | .15 | -.56 | .96 | .49 | .00 |

CONFIDENTIAL

GEI 84219

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| .60 | NR = | 1.00 | 1.28 | 2040 | 3890 | .92 | 922 | 29.7 | 113 | 1553 |
| | P2 = | 2.73 | RAM | 1.01 | 1.93 | -1.00 | -.00 | 1.03 | 1.01 | -.00 |
| | T2 = | 418 | BLEED | .85 | -3.22 | 2.06 | -.69 | -1.97 | .85 | .01 |
| | ERI = | 101 | POWER | 4.11 | -1.55 | 4.43 | .23 | .76 | 4.11 | .09 |
| .90 | NR = | 1.00 | 1.69 | 3940 | 5100 | .96 | 995 | 39.2 | 145 | 1659 |
| | P2 = | 3.62 | RAM | 1.01 | 1.73 | -.78 | -.00 | 1.02 | 1.01 | -.00 |
| | T2 = | 453 | BLEED | .55 | -3.65 | 2.58 | -.68 | -1.96 | .55 | .01 |
| | ERI = | 101 | POWER | 2.19 | -2.57 | 5.11 | .19 | .65 | 2.19 | .06 |
| 1.20 | NR = | .991 | 2.41 | 7100 | 6060 | 1.15 | 1084 | 54.2 | 196 | 1765 |
| | P2 = | 5.14 | RAM | 1.02 | 1.87 | -.84 | -.00 | 1.02 | 1.02 | .00 |
| | T2 = | 503 | BLEED | .14 | -3.90 | 2.88 | -.66 | -1.97 | .14 | -.00 |
| | ERI = | 0 | POWER | .40 | -2.87 | 4.10 | .11 | .38 | .40 | -.01 |
| 1.50 | NR = | .971 | 3.56 | 11900 | 7750 | 1.13 | 1162 | 71.8 | 263 | 1765 |
| | P2 = | 7.62 | RAM | 1.04 | 1.81 | -.85 | -.00 | 1.04 | 1.04 | .00 |
| | T2 = | 566 | BLEED | .10 | -4.86 | 3.97 | -.54 | -1.86 | .10 | -.00 |
| | ERI = | 0 | POWER | -.01 | -2.17 | 3.33 | .06 | .26 | -.01 | .03 |
| 1.80 | NR = | .945 | 5.43 | 19300 | 9350 | 1.17 | 1257 | 95.5 | 356 | 1765 |
| | P2 = | 11.61 | RAM | 1.06 | 1.68 | -.67 | -.00 | 1.07 | 1.06 | .00 |
| | T2 = | 643 | BLEED | .08 | -5.36 | 4.83 | -.56 | -1.86 | .08 | .01 |
| | ERI = | 0 | POWER | -.01 | -1.77 | 2.85 | .06 | .23 | -.01 | .01 |
| 2.00 | NR = | .925 | 7.24 | 26000 | 10300 | 1.22 | 1327 | 115.2 | 431 | 1779 |
| | P2 = | 15.48 | RAM | 1.09 | 1.68 | -.84 | -.00 | 1.09 | 1.09 | .00 |
| | T2 = | 702 | BLEED | .06 | -6.11 | 5.60 | -.53 | -1.94 | .06 | -.00 |
| | ERI = | 0 | POWER | .00 | -1.65 | 2.51 | .04 | .18 | .00 | -.00 |
| 2.30 | NR = | .893 | 11.2 | 38100 | 12200 | 1.30 | 1429 | 147.8 | 551 | 1867 |
| | P2 = | 23.90 | RAM | 1.12 | 1.74 | -.67 | -.00 | 1.13 | 1.12 | .00 |
| | T2 = | 802 | BLEED | .42 | -6.71 | 6.07 | -.54 | -2.07 | .42 | -.00 |
| | ERI = | 0 | POWER | .30 | -1.17 | 1.81 | .03 | .13 | .30 | -.00 |
| 2.45 | NR = | .876 | 13.9 | 45600 | 12900 | 1.36 | 1482 | 165.9 | 618 | 1916 |
| | P2 = | 29.64 | RAM | 1.14 | 1.80 | -.73 | -.00 | 1.14 | 1.14 | -.00 |
| | T2 = | 857 | BLEED | .72 | -7.07 | 6.54 | -.55 | -2.11 | .72 | .00 |
| | ERI = | 0 | POWER | .49 | -.79 | 1.41 | .03 | .13 | .49 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|--------|-------|-------|-------|-------|-------|------|------|--------|
| .60 | 1.28 | 2.86 | 3570 | 1067 | 1203 | 6390 | 4350 | .82 | 547 | 15.1 |
| | RAM | 1.01 | 1.03 | .01 | -.05 | 1.43 | 1.63 | -.65 | .02 | .00 |
| | BLEED | -2.89 | -1.26 | -1.09 | 2.29 | -1.94 | -3.25 | 2.09 | .85 | .00 |
| | POWER | -10.02 | 2.87 | -3.00 | 12.65 | -1.63 | -4.33 | 7.26 | 4.11 | .00 |
| .90 | 1.69 | 3.74 | 4899 | 1141 | 1221 | 9370 | 5430 | .90 | 552 | 15.1 |
| | RAM | 1.02 | 1.02 | .01 | -.01 | 1.33 | 1.56 | -.59 | .01 | .00 |
| | BLEED | -3.09 | -1.21 | -.89 | 2.16 | -1.91 | -3.69 | 2.63 | .55 | .00 |
| | POWER | -8.97 | 2.51 | -1.47 | 10.13 | -1.44 | -4.08 | 6.66 | 2.19 | .00 |
| 1.20 | 2.41 | 5.08 | 6970 | 1221 | 1258 | 14300 | 7170 | .97 | 553 | 6.6 |
| | RAM | 1.03 | 1.02 | .00 | -.01 | 1.27 | 1.51 | -.53 | .01 | -25.76 |
| | BLEED | -2.89 | -1.27 | -.68 | 1.68 | -1.94 | -3.99 | 2.89 | .14 | 85.86 |
| | POWER | -5.81 | 1.54 | -.51 | 5.86 | -1.29 | -2.97 | 4.56 | .40 | 340.74 |
| 1.50 | 3.56 | 6.53 | 8763 | 1239 | 1317 | 20300 | 8460 | 1.04 | 530 | 6.6 |
| | RAM | 1.04 | 1.04 | .00 | -.01 | 1.25 | 1.55 | -.55 | .01 | .00 |
| | BLEED | -2.90 | -1.18 | -.61 | 1.69 | -1.81 | -4.50 | 3.55 | .10 | .00 |
| | POWER | -4.10 | 1.12 | -.25 | 3.90 | -.98 | -2.34 | 3.50 | -.01 | .00 |
| 1.80 | 5.43 | 8.45 | 10907 | 1260 | 1385 | 29100 | 9820 | 1.11 | 502 | 6.6 |
| | RAM | 1.07 | 1.07 | .00 | -.01 | 1.25 | 1.61 | -.58 | .01 | .00 |
| | BLEED | -3.57 | -.92 | -.46 | 2.43 | -1.79 | -5.45 | 4.93 | .08 | .00 |
| | POWER | -3.83 | 1.04 | -.12 | 3.71 | -.73 | -2.15 | 3.24 | -.01 | .00 |
| 2.00 | 7.24 | 10.28 | 12582 | 1286 | 1392 | 36800 | 10800 | 1.16 | 476 | 6.6 |
| | RAM | 1.09 | 1.09 | .00 | -.01 | 1.25 | 1.65 | -.61 | .01 | .00 |
| | BLEED | -3.32 | -1.03 | -.50 | 2.14 | -1.71 | -5.97 | 5.43 | .06 | .00 |
| | POWER | -2.95 | .83 | -.13 | 2.84 | -.52 | -1.76 | 2.63 | .00 | .00 |
| 2.30 | 11.2 | 14.57 | 15806 | 1369 | 1300 | 50900 | 12800 | 1.24 | 421 | 3.0 |
| | RAM | 1.13 | 1.13 | .00 | -.01 | 1.27 | 1.69 | -.61 | .00 | .00 |
| | BLEED | -2.66 | -1.24 | -.69 | 1.71 | -1.29 | -6.40 | 5.71 | .42 | .00 |
| | POWER | -1.82 | .62 | -.23 | 1.97 | -.05 | -1.09 | 1.73 | .30 | .00 |
| 2.45 | 13.9 | 17.30 | 17540 | 1413 | 1250 | 59300 | 13700 | 1.28 | 394 | .0 |
| | RAM | 1.14 | 1.14 | .00 | -.00 | 1.27 | 1.70 | -.61 | -.00 | .00 |
| | BLEED | -2.63 | -1.23 | -.77 | 1.93 | -1.01 | -6.76 | 6.16 | .72 | .00 |
| | POWER | -1.59 | .61 | -.26 | 1.91 | .17 | -.90 | 1.53 | .49 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|------|-------|-------|------|-------|------|-------|
| .60 | NR = | 1.00 | 1.28 | 2070 | 3740 | .91 | 919 | 29.3 | 114 | 1502 |
| | P2 = | 2.73 | RAM | 1.03 | 1.92 | -1.05 | -.01 | 1.01 | 1.03 | -.04 |
| | T2 = | 418 | BLEED | .04 | -1.02 | 2.74 | -.46 | -1.21 | .04 | 2.05 |
| | ERI = | 101 | POWER | -.67 | 11.87 | 8.88 | 1.64 | 5.47 | -.67 | 12.23 |
| .90 | NR = | 1.00 | 1.69 | 3930 | 4800 | .96 | 983 | 38.1 | 145 | 1599 |
| | P2 = | 3.62 | RAM | 1.02 | 1.79 | -.87 | -.01 | 1.01 | 1.02 | -.02 |
| | T2 = | 453 | BLEED | .04 | -1.02 | 2.85 | -.46 | -1.20 | .04 | 2.06 |
| | ERI = | 0 | POWER | -.61 | 9.71 | 6.92 | 1.29 | 4.27 | -.61 | 9.58 |
| 1.20 | NR = | .991 | 2.41 | 6810 | 6090 | 1.00 | 1050 | 50.1 | 188 | 1676 |
| | P2 = | 5.14 | RAM | 1.02 | 1.64 | -.69 | -.00 | 1.02 | 1.02 | -.01 |
| | T2 = | 503 | BLEED | .09 | -.83 | 3.07 | -.36 | -1.05 | .09 | 2.23 |
| | ERI = | 0 | POWER | -.68 | 7.35 | 5.02 | .89 | 3.03 | -.68 | 7.05 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|
| .60 | 1.28 | 2.74 | 3399 | 1030 | 1249 | 6240 | 4170 | .82 | 554 | 15.1 |
| | RAM | .97 | .97 | -.03 | .00 | 1.42 | 1.61 | -.70 | .03 | .00 |
| | BLEED | -.37 | 1.67 | 1.06 | .00 | -.57 | -.87 | 2.58 | .04 | .00 |
| | POWER | 4.51 | 20.94 | 10.03 | .00 | 6.49 | 10.04 | 10.70 | -.67 | .00 |
| .90 | 1.69 | 3.58 | 4590 | 1102 | 1249 | 9050 | 5110 | .90 | 551 | 15.1 |
| | RAM | 1.00 | .99 | -.01 | .00 | 1.34 | 1.58 | -.64 | .02 | .00 |
| | BLEED | -.33 | 1.79 | 1.08 | .00 | -.52 | -.95 | 2.77 | .04 | .00 |
| | POWER | 3.97 | 16.80 | 7.90 | .00 | 4.75 | 8.88 | 7.75 | -.61 | .00 |
| 1.20 | 2.41 | 4.78 | 6105 | 1162 | 1249 | 13100 | 6320 | .97 | 530 | 15.1 |
| | RAM | 1.02 | 1.01 | -.00 | .00 | 1.27 | 1.55 | -.58 | .01 | .00 |
| | BLEED | -.25 | 2.21 | 1.22 | .00 | -.33 | -.79 | 3.03 | .09 | .00 |
| | POWER | 2.49 | 12.49 | 5.77 | .00 | 3.01 | 6.99 | 5.38 | -.68 | .00 |

CONFIDENTIAL

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.10.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|-------|-------|
| .60 | NR = 1.00 | 1.28 | 1790 | 2240 | .98 | 832 | 22.2 | 99 | 1274 |
| | P2 = 2.73 | RAM | 1.03 | 1.80 | -.92 | -.00 | 1.01 | 1.03 | -.04 |
| | T2 = 418 | BLEED | .10 | -.85 | 3.07 | -.40 | -1.07 | .10 | 2.35 |
| | ERI = 0 | POWER | -1.76 | 18.74 | 14.65 | 2.54 | 8.37 | -1.76 | 20.05 |
| .90 | NR = 1.00 | 1.69 | 3200 | 2080 | 1.14 | 862 | 25.5 | 118 | 1252 |
| | P2 = 3.62 | RAM | 1.03 | 1.94 | -1.12 | -.01 | 1.00 | 1.03 | -.06 |
| | T2 = 453 | BLEED | .10 | -1.55 | 3.84 | -.43 | -1.19 | .10 | 2.29 |
| | ERI = 0 | POWER | -1.42 | 23.10 | 6.68 | 1.94 | 7.22 | -1.42 | 16.80 |
| 1.20 | NR = .991 | 2.41 | 5240 | 1920 | 1.29 | 900 | 29.5 | 145 | 1211 |
| | P2 = 5.14 | RAM | 1.02 | 2.80 | -2.15 | -.01 | 1.01 | 1.02 | -.04 |
| | T2 = 503 | BLEED | .07 | -2.58 | 5.21 | -.41 | -1.34 | .07 | 2.26 |
| | ERI = 0 | POWER | -.79 | 27.58 | 1.91 | 1.71 | 6.83 | -.79 | 14.81 |
| 1.50 | NR = .971 | 3.56 | 11900 | 7750 | 1.13 | 1162 | 71.8 | 263 | 1765 |
| | P2 = 7.62 | RAM | 1.04 | 1.81 | -.85 | -.00 | 1.04 | 1.04 | .00 |
| | T2 = 566 | BLEED | .10 | -4.86 | 3.97 | -.54 | -1.86 | .10 | -.00 |
| | ERI = 0 | POWER | -.01 | -2.16 | 3.33 | .06 | .26 | -.01 | .03 |
| 1.80 | NR = .945 | 5.43 | 19300 | 9350 | 1.17 | 1257 | 95.5 | 356 | 1765 |
| | P2 = 11.61 | RAM | 1.06 | 1.68 | -.67 | -.00 | 1.07 | 1.06 | .00 |
| | T2 = 643 | BLEED | .08 | -5.36 | 4.83 | -.56 | -1.86 | .08 | .01 |
| | ERI = 0 | POWER | -.01 | -1.77 | 2.85 | .06 | .23 | -.01 | .01 |
| 2.00 | NR = .925 | 7.24 | 26000 | 10300 | 1.22 | 1327 | 115.2 | 431 | 1779 |
| | P2 = 15.48 | RAM | 1.09 | 1.68 | -.64 | -.00 | 1.09 | 1.09 | .00 |
| | T2 = 702 | BLEED | .06 | -6.11 | 5.60 | -.53 | -1.94 | .06 | -.00 |
| | ERI = 0 | POWER | .00 | -1.65 | 2.51 | .04 | .18 | .00 | -.00 |
| 2.30 | NR = .893 | 11.2 | 38100 | 12200 | 1.30 | 1429 | 147.8 | 551 | 1868 |
| | P2 = 23.90 | RAM | 1.12 | 1.74 | -.67 | -.00 | 1.13 | 1.12 | -.00 |
| | T2 = 802 | BLEED | .42 | -6.71 | 6.07 | -.54 | -2.07 | .42 | -.00 |
| | ERI = 0 | POWER | .30 | -1.16 | 1.81 | .03 | .13 | .30 | .00 |
| 2.45 | NR = .876 | 13.9 | 45600 | 12900 | 1.36 | 1482 | 165.9 | 618 | 1916 |
| | P2 = 29.64 | RAM | 1.14 | 1.80 | -.73 | -.00 | 1.14 | 1.14 | -.00 |
| | T2 = 857 | BLEED | .72 | -7.07 | 6.54 | -.55 | -2.11 | .72 | -.00 |
| | ERI = 0 | POWER | .48 | -.80 | 1.41 | .03 | .12 | .48 | -.00 |

CONFIDENTIAL

GEI 64219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.10.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|
| .60 | 1.28 | 2.21 | 2198 | 876 | 1249 | 4470 | 2670 | .82 | 480 | 15.1 |
| | RAM | .97 | .96 | -.03 | .00 | 1.56 | 1.91 | -1.05 | .03 | .00 |
| | BLEED | -.26 | 2.17 | 1.20 | .00 | -.43 | -.79 | 2.99 | .10 | .00 |
| | POWER | 6.06 | 33.74 | 15.43 | .00 | 9.63 | 17.27 | 16.11 | -1.76 | .00 |
| .90 | 1.69 | 2.59 | 2376 | 869 | 1249 | 5730 | 2540 | .94 | 448 | 15.1 |
| | RAM | .96 | .93 | -.05 | .00 | 1.44 | 1.96 | -1.15 | .03 | 11.26 |
| | BLEED | -.32 | 2.19 | 1.09 | .00 | -.49 | -1.23 | 3.49 | .10 | .00 |
| | POWER | 4.96 | 30.00 | 12.48 | .00 | 7.26 | 18.22 | 11.48 | -1.42 | .00 |
| 1.20 | 2.41 | 3.13 | 2474 | 853 | 1249 | 7540 | 2300 | 1.07 | 408 | 15.1 |
| | RAM | .99 | .95 | -.03 | .00 | 1.38 | 2.19 | -1.39 | .02 | .00 |
| | BLEED | -.43 | 2.44 | .98 | .00 | -.59 | -2.09 | 4.67 | .07 | .00 |
| | POWER | 4.55 | 29.58 | 10.30 | .00 | 6.27 | 22.33 | 6.99 | -.79 | .00 |
| 1.50 | 3.56 | 6.53 | 8763 | 1239 | 1317 | 20300 | 8460 | 1.04 | 530 | 6.6 |
| | RAM | 1.04 | 1.04 | .00 | -.01 | 1.25 | 1.55 | -.55 | .01 | .00 |
| | BLEED | -2.90 | -1.18 | -.61 | 1.69 | -1.81 | -4.50 | 3.55 | .10 | .00 |
| | POWER | -4.10 | 1.12 | -.25 | 3.89 | -.98 | -2.34 | 3.50 | -.01 | .00 |
| 1.80 | 5.43 | 8.45 | 10907 | 1260 | 1385 | 29100 | 9820 | 1.11 | 502 | 6.6 |
| | RAM | 1.07 | 1.07 | .00 | -.01 | 1.25 | 1.61 | -.58 | .01 | .00 |
| | BLEED | -3.57 | -.92 | -.46 | 2.43 | -1.79 | -5.45 | 4.93 | .08 | .00 |
| | POWER | -3.83 | 1.04 | -.12 | 3.71 | -.73 | -2.15 | 3.24 | -.01 | .00 |
| 2.00 | 7.24 | 10.28 | 12582 | 1286 | 1392 | 36800 | 10800 | 1.16 | 476 | 6.6 |
| | RAM | 1.09 | 1.09 | .00 | -.01 | 1.25 | 1.65 | -.61 | .01 | .00 |
| | BLEED | -3.32 | -1.03 | -.50 | 2.14 | -1.71 | -5.97 | 5.43 | .06 | .00 |
| | POWER | -2.95 | .83 | -.13 | 2.84 | -.52 | -1.76 | 2.63 | .00 | .00 |
| 2.30 | 11.2 | 14.57 | 15807 | 1369 | 1300 | 50900 | 12800 | 1.24 | 421 | 3.0 |
| | RAM | 1.13 | 1.13 | .00 | -.01 | 1.27 | 1.69 | -.61 | .00 | .00 |
| | BLEED | -2.66 | -1.24 | -.69 | 1.71 | -1.29 | -6.40 | 5.71 | .42 | .00 |
| | POWER | -1.82 | .62 | -.23 | 1.97 | -.05 | -1.09 | 1.73 | .30 | .00 |
| 2.45 | 13.9 | 17.30 | 17542 | 1413 | 1250 | 59300 | 13700 | 1.28 | 394 | .0 |
| | RAM | 1.14 | 1.14 | .00 | -.00 | 1.27 | 1.70 | -.61 | -.00 | .00 |
| | BLEED | -2.63 | -1.23 | -.77 | 1.93 | -1.01 | -6.76 | 6.16 | .72 | .00 |
| | POWER | -1.59 | .60 | -.26 | 1.91 | .16 | -.91 | 1.53 | .48 | .00 |

CONFIDENTIAL

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|--------|-------|--------|-------|--------|--------|------|
| .60 | NR = 1.00 | 1.28 | 1530 | -220 | -3.470 | 737 | 14.2 | 85 | 791 |
| | P2 = 2.73 | RAM | .94 | -2.31 | 2.07 | -.07 | .72 | .94 | -.49 |
| | T2 = 418 | BLEED | -1.18 | 14.85 | -12.15 | -.94 | -3.58 | -1.18 | 1.47 |
| | ERI = 100 | POWER | -18.13 | 77.51 | -73.10 | -7.41 | -24.20 | -18.13 | 8.64 |
| .90 | NR = 1.00 | 1.69 | 2830 | -880 | -.885 | 778 | 17.0 | 105 | 752 |
| | P2 = 3.62 | RAM | .94 | -.38 | .38 | -.07 | .74 | .94 | -.42 |
| | T2 = 453 | BLEED | -1.11 | 5.12 | -4.75 | -.94 | -3.63 | -1.11 | 1.04 |
| | ERI = 100 | POWER | -14.79 | 16.11 | -15.86 | -5.62 | -20.05 | -14.79 | 5.27 |
| 1.20 | NR = .991 | 2.41 | 4560 | -880 | -.885 | 815 | 19.5 | 126 | 768 |
| | P2 = 5.14 | RAM | .88 | -.91 | .87 | -.08 | .71 | .88 | -.33 |
| | T2 = 503 | BLEED | -1.26 | 9.02 | -7.94 | -.96 | -3.74 | -1.26 | .71 |
| | ERI = 100 | POWER | -15.12 | 28.32 | -27.48 | -4.89 | -17.67 | -15.12 | 2.31 |
| 1.50 | NR = .971 | 3.56 | 11900 | 5300 | 1.28 | 1147 | 67.8 | 264 | 1497 |
| | P2 = 7.62 | RAM | 1.04 | 2.18 | -1.31 | -.00 | 1.04 | 1.04 | -.01 |
| | T2 = 566 | BLEED | .03 | -1.71 | 4.34 | -.31 | -1.13 | .03 | 2.14 |
| | ERI = 0 | POWER | -.04 | 7.27 | 1.47 | .39 | 1.89 | -.04 | 4.43 |
| 1.80 | NR = .945 | 5.43 | 19300 | 6950 | 1.30 | 1245 | 91.6 | 357 | 1564 |
| | P2 = 11.61 | RAM | 1.06 | 1.96 | -1.00 | -.00 | 1.06 | 1.06 | -.01 |
| | T2 = 643 | BLEED | .04 | -1.91 | 4.75 | -.34 | -1.15 | .04 | 2.10 |
| | ERI = 0 | POWER | -.04 | 5.56 | 1.25 | .31 | 1.43 | -.04 | 3.27 |
| 2.00 | NR = .925 | 7.24 | 26000 | 7400 | 1.37 | 1314 | 110.1 | 432 | 1570 |
| | P2 = 15.48 | RAM | 1.09 | 1.93 | -.94 | -.00 | 1.09 | 1.09 | -.01 |
| | T2 = 702 | BLEED | .03 | -2.45 | 5.46 | -.36 | -1.22 | .03 | 1.99 |
| | ERI = 0 | POWER | -.02 | 5.10 | .97 | .26 | 1.22 | -.02 | 2.72 |
| 2.30 | NR = .893 | 11.2 | 38800 | 6240 | 1.67 | 1406 | 136.2 | 560 | 1515 |
| | P2 = 23.90 | RAM | 1.13 | 2.25 | -1.27 | -.00 | 1.13 | 1.13 | -.01 |
| | T2 = 802 | BLEED | .01 | -3.49 | 7.90 | -.26 | -1.21 | .01 | 2.20 |
| | ERI = 0 | POWER | -.01 | 5.69 | -.16 | .14 | .95 | -.01 | 2.06 |
| 2.45 | NR = .876 | 13.9 | 46800 | 5310 | 1.94 | 1456 | 150.2 | 635 | 1493 |
| | P2 = 29.64 | RAM | 1.14 | 2.92 | -2.08 | -.00 | 1.14 | 1.14 | -.00 |
| | T2 = 857 | BLEED | .01 | -5.46 | 10.70 | -.29 | -1.28 | .01 | 2.09 |
| | ERI = 0 | POWER | -.01 | 7.03 | -1.33 | .13 | .89 | -.01 | 1.90 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 45000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|--------|-------|------|------|--------|--------|--------|--------|-------|
| .60 | 1.28 | 1.16 | 780 | 603 | 2400 | 1420 | -110 | -7.240 | 410 | 6.6 |
| | RAM | .22 | .00 | -.30 | .00 | 1.47 | -6.14 | 4.70 | -.07 | .00 |
| | BLEED | -.58 | .00 | .18 | .00 | -3.88 | 34.45 | -22.71 | -1.18 | .00 |
| | POWER | -5.53 | .00 | .10 | .00 | -33.99 | 191.16 | -166.4 | -18.13 | .00 |
| .90 | 1.69 | 1.24 | 780 | 603 | 2400 | 2110 | -720 | -1.080 | 397 | 6.6 |
| | RAM | .33 | .00 | -.24 | .00 | 1.50 | -.69 | .67 | -.06 | .00 |
| | BLEED | -.77 | -.00 | .01 | .00 | -3.84 | 6.84 | -6.20 | -1.11 | .00 |
| | POWER | -5.38 | .00 | -.89 | .00 | -28.09 | 24.06 | -23.5 | -14.79 | .00 |
| 1.20 | 2.41 | 1.74 | 780 | 627 | 1690 | 4070 | -490 | -1.590 | 355 | 6.6 |
| | RAM | .61 | .00 | -.18 | .00 | 1.31 | -2.69 | 2.37 | -.13 | .00 |
| | BLEED | -1.82 | .00 | -.04 | .00 | -3.73 | 19.22 | -14.92 | -1.26 | .00 |
| | POWER | -12.72 | .00 | -.70 | .00 | -25.54 | 71.45 | -66.3 | -15.12 | .00 |
| 1.50 | 3.56 | 4.72 | 6807 | 1094 | 1690 | 17700 | 5810 | 1.17 | 531 | 6.6 |
| | RAM | 1.04 | 1.02 | -.01 | .00 | 1.30 | 1.83 | -.90 | .01 | .00 |
| | BLEED | -.36 | 2.52 | 1.12 | .00 | -.47 | -1.50 | 4.11 | .03 | .00 |
| | POWER | 1.68 | 8.80 | 3.13 | .00 | 2.05 | 6.34 | 2.38 | -.04 | .00 |
| 1.80 | 5.43 | 6.56 | 8999 | 1156 | 1690 | 26600 | 7240 | 1.24 | 503 | 6.6 |
| | RAM | 1.06 | 1.05 | -.00 | .00 | 1.27 | 1.83 | -.86 | .01 | .00 |
| | BLEED | -.31 | 2.71 | 1.07 | .00 | -.47 | -1.82 | 4.66 | .04 | .00 |
| | POWER | 1.19 | 6.87 | 2.25 | .00 | 1.41 | 5.28 | 1.52 | -.04 | .00 |
| 2.00 | 7.24 | 8.01 | 10159 | 1178 | 1690 | 33700 | 7710 | 1.32 | 477 | 6.6 |
| | RAM | 1.08 | 1.08 | -.00 | .00 | 1.27 | 1.91 | -.92 | .01 | .00 |
| | BLEED | -.44 | 2.81 | .98 | .00 | -.52 | -2.38 | 5.39 | .03 | .00 |
| | POWER | .96 | 6.11 | 1.83 | .00 | 1.14 | 5.04 | 1.02 | -.02 | .00 |
| 2.30 | 11.2 | 10.37 | 10415 | 1176 | 1690 | 45500 | 6710 | 1.55 | 428 | 3.0 |
| | RAM | 1.12 | 1.12 | -.00 | .00 | 1.29 | 2.25 | -1.28 | .01 | .00 |
| | BLEED | -.41 | 4.00 | 1.06 | .00 | -.48 | -3.33 | 7.71 | .01 | .00 |
| | POWER | .69 | 5.52 | 1.29 | .00 | .80 | 5.44 | .08 | -.01 | .00 |
| 2.45 | 13.9 | 11.79 | 10310 | 1181 | 1690 | 52600 | 5800 | 1.78 | 405 | .0 |
| | RAM | 1.14 | 1.14 | -.00 | .00 | 1.30 | 2.57 | -1.64 | .00 | .00 |
| | BLEED | -.48 | 4.37 | .97 | .00 | -.53 | -4.95 | 10.06 | .01 | .00 |
| | POWER | .61 | 5.59 | 1.14 | .00 | .70 | 6.38 | -.73 | -.01 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|--------|-------|------|-------|------|------|
| .90 | NR = | 1.00 | 1.69 | 3930 | 11400 | 2.48 | 1082 | 38.1 | 138 | 1765 |
| | P2 = | 3.62 | RAM | 1.02 | 1.56 | -.75 | -.00 | 1.02 | 1.02 | .00 |
| | T2 = | 500 | BLEED | .10 | -3.54 | 2.10 | -.65 | -1.97 | .10 | -.00 |
| | ERI = | 20 | POWER | .43 | -4.92 | 5.73 | .16 | .53 | .43 | -.01 |
| 1.20 | NR = | .991 | 2.41 | 6850 | 14700 | 2.36 | 1149 | 49.3 | 180 | 1765 |
| | P2 = | 5.15 | RAM | 1.02 | 1.42 | -.63 | -.00 | 1.02 | 1.02 | -.00 |
| | T2 = | 554 | BLEED | .07 | -5.23 | -1.56 | -.54 | -1.88 | .07 | -.00 |
| | ERI = | 1 | POWER | -.06 | -10.49 | -8.99 | .09 | .36 | -.06 | .01 |
| 1.50 | NR = | .971 | 3.57 | 11400 | 18200 | 2.11 | 1235 | 64.7 | 240 | 1765 |
| | P2 = | 7.63 | RAM | 1.04 | 1.46 | -.53 | -.00 | 1.04 | 1.04 | -.00 |
| | T2 = | 624 | BLEED | .08 | -6.64 | -.23 | -.55 | -1.86 | .08 | .01 |
| | ERI = | 1 | POWER | -.02 | -10.02 | -3.30 | .08 | .31 | -.02 | .01 |
| 2.00 | NR = | .925 | 7.25 | 23800 | 29900 | 2.17 | 1401 | 100.7 | 376 | 1843 |
| | P2 = | 15.50 | RAM | 1.08 | 1.36 | -.34 | -.00 | 1.09 | 1.08 | -.00 |
| | T2 = | 774 | BLEED | .39 | -3.79 | .83 | -.54 | -2.05 | .39 | -.01 |
| | ERI = | 1 | POWER | .39 | -1.98 | .18 | .04 | .19 | .39 | -.01 |
| 2.30 | NR = | .893 | 11.2 | 34200 | 36600 | 2.10 | 1505 | 126.9 | 470 | 1937 |
| | P2 = | 23.94 | RAM | 1.12 | 1.36 | -.27 | -.00 | 1.13 | 1.12 | .00 |
| | T2 = | 883 | BLEED | 1.37 | -1.81 | 2.57 | -.54 | -2.10 | 1.37 | -.00 |
| | ERI = | 1 | POWER | 1.25 | .11 | 1.42 | .04 | .18 | 1.25 | -.01 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|--------|-------|------|-------|--------|-------|------|-------|
| .90 | 1.69 | 3.35 | 28256 | 3274 | 2311 | 15500 | 11600 | 2.44 | 551 | 6.6 |
| | RAM | 1.02 | .86 | .04 | .01 | 1.40 | 1.53 | -.72 | .02 | .00 |
| | BLEED | -3.08 | -1.55 | -1.06 | 1.57 | -2.62 | -3.54 | 2.11 | .10 | .00 |
| | POWER | -9.25 | .74 | -1.45 | 8.76 | -3.73 | -5.14 | 5.96 | .43 | .00 |
| 1.20 | 2.41 | 4.20 | 34648 | 3294 | 2401 | 21800 | 15000 | 2.32 | 533 | 6.6 |
| | RAM | 1.02 | .84 | .03 | .00 | 1.32 | 1.46 | -.67 | .01 | .00 |
| | BLEED | -2.85 | -6.67 | -2.96 | -.02 | -3.62 | -5.32 | -1.47 | .07 | .00 |
| | POWER | -5.80 | -19.15 | -8.57 | -.08 | -7.35 | -10.69 | -8.80 | -.06 | .00 |
| 1.50 | 3.57 | 5.37 | 38353 | 3113 | 2400 | 29800 | 18400 | 2.08 | 508 | 3.0 |
| | RAM | 1.05 | .97 | .02 | -.00 | 1.30 | 1.46 | -.53 | .01 | .00 |
| | BLEED | -3.27 | -6.84 | -3.99 | -.00 | -4.05 | -6.61 | -.26 | .08 | .00 |
| | POWER | -5.02 | -13.16 | -8.25 | .02 | -6.17 | -9.97 | -3.34 | -.02 | .00 |
| 2.00 | 7.25 | 9.03 | 64826 | 3400 | 2352 | 54700 | 30900 | 2.10 | 435 | .0 |
| | RAM | 1.10 | 1.05 | .00 | -.01 | 1.27 | 1.42 | -.40 | .00 | .00 |
| | BLEED | -2.92 | -3.01 | -1.40 | 1.42 | -2.00 | -3.84 | .88 | .39 | .00 |
| | POWER | -3.11 | -1.80 | -1.27 | 2.63 | -.96 | -2.00 | .19 | .39 | .00 |
| 2.30 | 11.2 | 13.06 | 76762 | 3400 | 2039 | 72300 | 38100 | 2.01 | 376 | .0 |
| | RAM | 1.13 | 1.11 | .00 | -.02 | 1.28 | 1.42 | -.34 | -.00 | .00 |
| | BLEED | -3.15 | .69 | .00 | 3.52 | -.10 | -1.42 | 2.16 | 1.37 | .00 |
| | POWER | -2.58 | 1.53 | .00 | 3.76 | .88 | .55 | .97 | 1.25 | .00 |

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GFI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| .90 | NR = | 1.00 | 1.69 | 3930 | 4840 | 1.02 | 1082 | 38.1 | 138 | 1765 |
| | P2 = | 3.62 | RAM | 1.02 | 1.81 | -.87 | -.00 | 1.02 | 1.02 | .00 |
| | T2 = | 500 | BLEED | .10 | -4.28 | 3.21 | -.65 | -1.97 | .10 | -.00 |
| | ERI = | 0 | POWER | .43 | -4.70 | 6.96 | .16 | .53 | .43 | -.01 |
| 1.20 | NR = | .991 | 2.41 | 6850 | 5700 | 1.07 | 1149 | 49.3 | 180 | 1765 |
| | P2 = | 5.15 | RAM | 1.02 | 1.71 | -.76 | -.00 | 1.02 | 1.02 | -.00 |
| | T2 = | 554 | BLEED | .07 | -4.68 | 3.72 | -.54 | -1.88 | .07 | -.00 |
| | ERI = | 0 | POWER | -.06 | -4.16 | 5.82 | .09 | .36 | -.06 | .01 |
| 1.50 | NR = | .971 | 3.57 | 11400 | 6000 | 1.25 | 1235 | 64.7 | 240 | 1765 |
| | P2 = | 7.63 | RAM | 1.04 | 2.11 | -1.20 | -.00 | 1.04 | 1.04 | -.00 |
| | T2 = | 624 | BLEED | .08 | -5.98 | 5.49 | -.55 | -1.86 | .08 | .01 |
| | ERI = | 0 | POWER | -.02 | -3.36 | 4.86 | .08 | .31 | -.02 | .01 |
| 2.00 | NR = | .925 | 7.25 | 23800 | 8250 | 1.31 | 1401 | 100.7 | 376 | 1843 |
| | P2 = | 15.50 | RAM | 1.08 | 1.89 | -.88 | -.00 | 1.09 | 1.08 | -.00 |
| | T2 = | 774 | BLEED | .39 | -6.81 | 6.22 | -.54 | -2.05 | .39 | -.01 |
| | ERI = | 0 | POWER | .39 | -2.13 | 3.06 | .04 | .19 | .39 | -.01 |
| 2.30 | NR = | .893 | 11.2 | 34200 | 9310 | 1.43 | 1505 | 126.9 | 470 | 1937 |
| | P2 = | 23.94 | RAM | 1.12 | 1.91 | -.86 | -.00 | 1.13 | 1.12 | .00 |
| | T2 = | 883 | BLEED | 1.37 | -7.08 | 6.64 | -.54 | -2.10 | 1.37 | -.00 |
| | ERI = | 0 | POWER | 1.25 | -.79 | 1.69 | .04 | .18 | 1.25 | -.01 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|-------|------|------|-------|
| .90 | 1.69 | 3.57 | 4913 | 1219 | 1250 | 9070 | 5140 | .96 | 551 | 15.1 |
| | RAM | 1.02 | 1.02 | .00 | -.00 | 1.35 | 1.61 | -.64 | .02 | .00 |
| | BLEED | -2.89 | -1.28 | -.67 | 1.65 | -2.21 | -3.98 | 2.87 | .10 | .00 |
| | POWER | -8.16 | 2.17 | -.67 | 8.13 | -2.62 | -4.96 | 7.23 | .43 | .00 |
| 1.20 | 2.41 | 4.50 | 6083 | 1235 | 1309 | 12800 | 5930 | 1.03 | 533 | 15.1 |
| | RAM | 1.02 | 1.02 | .00 | -.00 | 1.30 | 1.61 | -.64 | .01 | .00 |
| | BLEED | -2.90 | -1.22 | -.61 | 1.66 | -2.03 | -4.46 | 3.47 | .07 | .00 |
| | POWER | -5.98 | 1.58 | -.37 | 5.64 | -1.87 | -3.95 | 5.61 | -.06 | .00 |
| 1.50 | 3.57 | 5.75 | 7511 | 1253 | 1372 | 18200 | 6780 | 1.11 | 508 | 6.6 |
| | RAM | 1.05 | 1.04 | .00 | -.01 | 1.27 | 1.66 | -.68 | .01 | .00 |
| | BLEED | -3.40 | -.97 | -.49 | 2.24 | -1.94 | -5.35 | 4.75 | .08 | .00 |
| | POWER | -5.30 | 1.42 | -.22 | 5.09 | -1.31 | -3.50 | 5.00 | -.02 | .00 |
| 2.00 | 7.25 | 9.64 | 10830 | 1345 | 1327 | 32500 | 8710 | 1.24 | 435 | 6.6 |
| | RAM | 1.09 | 1.09 | .00 | -.01 | 1.26 | 1.73 | -.70 | .00 | .00 |
| | BLEED | -2.75 | -1.23 | -.69 | 1.77 | -1.42 | -6.36 | 5.68 | .39 | .00 |
| | POWER | -2.78 | .88 | -.33 | 2.95 | -.23 | -1.91 | 2.83 | .39 | .00 |
| 2.30 | 11.2 | 13.70 | 13293 | 1435 | 1212 | 44200 | 10000 | 1.33 | 376 | 3.0 |
| | RAM | 1.13 | 1.13 | .01 | -.01 | 1.27 | 1.77 | -.70 | -.00 | .00 |
| | BLEED | -2.80 | -1.15 | -.95 | 2.62 | -.54 | -7.08 | 6.63 | 1.37 | .00 |
| | POWER | -2.21 | .89 | -.52 | 3.09 | .68 | -1.29 | 2.20 | 1.25 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

| M0 | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|-------|-------|
| .90 | NR = 1.00 | 1.69 | 3260 | 2360 | 1.16 | 961 | 26.6 | 115 | 1428 |
| | P2 = 3.62 | RAM | 1.03 | 2.34 | -1.59 | -.01 | 1.00 | 1.03 | -.06 |
| | T2 = 500 | BLEED | .10 | -1.28 | 3.64 | -.41 | -1.13 | .10 | 2.32 |
| | ERI = 0 | POWER | -1.33 | 19.94 | 6.91 | 1.72 | 6.45 | -1.33 | 15.18 |
| 1.20 | NR = .991 | 2.41 | 5350 | 2250 | 1.28 | 1002 | 30.9 | 141 | 1384 |
| | P2 = 5.15 | RAM | 1.02 | 2.67 | -1.89 | -.00 | 1.02 | 1.02 | .01 |
| | T2 = 554 | BLEED | .07 | -2.14 | 4.71 | -.41 | -1.30 | .07 | 2.28 |
| | ERI = 0 | POWER | -.84 | 23.17 | 2.94 | 1.60 | 6.13 | -.84 | 13.44 |
| 1.50 | NR = .971 | 3.57 | 11400 | 6000 | 1.25 | 1235 | 64.7 | 240 | 1765 |
| | P2 = 7.63 | RAM | 1.04 | 2.11 | -1.20 | -.00 | 1.04 | 1.04 | -.00 |
| | T2 = 624 | BLEED | .08 | -5.98 | 5.49 | -.55 | -1.86 | .08 | .01 |
| | ERI = 0 | POWER | -.02 | -3.36 | 4.86 | .08 | .31 | -.02 | .01 |
| 2.00 | NR = .925 | 7.25 | 23800 | 8250 | 1.31 | 1401 | 100.7 | 376 | 1843 |
| | P2 = 15.50 | RAM | 1.08 | 1.89 | -.88 | -.00 | 1.09 | 1.08 | -.00 |
| | T2 = 774 | BLEED | .39 | -6.81 | 6.22 | -.54 | -2.05 | .39 | -.01 |
| | ERI = 0 | POWER | .39 | -2.12 | 3.06 | .04 | .19 | .39 | -.01 |
| 2.30 | NR = .892 | 11.2 | 34700 | 8850 | 1.44 | 1502 | 125.8 | 477 | 1897 |
| | P2 = 23.94 | RAM | 1.12 | 1.52 | -.43 | -.00 | 1.13 | 1.12 | -.01 |
| | T2 = 883 | BLEED | .38 | -4.03 | 6.05 | -.42 | -1.55 | .38 | 1.41 |
| | ERI = 0 | POWER | -.29 | 4.53 | .83 | .23 | 1.09 | -.29 | 2.22 |

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GEI 64219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|-------|-------|--------|
| .90 | 1.69 | 2.69 | 2733 | 989 | 1249 | 6060 | 2800 | .98 | 457 | 15.1 |
| | RAM | .96 | .94 | -.04 | .00 | 1.43 | 1.89 | -1.05 | .03 | 11.26 |
| | BLEED | -.28 | 2.28 | 1.16 | .00 | -.42 | -1.04 | 3.37 | .10 | .00 |
| | POWER | 4.59 | 27.07 | 11.51 | .00 | 6.66 | 15.99 | 10.80 | -1.33 | .00 |
| 1.20 | 2.41 | 3.25 | 2883 | 973 | 1249 | 7960 | 2610 | 1.11 | 416 | 15.1 |
| | RAM | 1.03 | 1.02 | .01 | .00 | 1.38 | 2.14 | -1.24 | .01 | .00 |
| | BLEED | -.39 | 2.41 | 1.03 | .00 | -.53 | -1.78 | 4.31 | .07 | .00 |
| | POWER | 4.22 | 26.23 | 9.63 | .00 | 5.72 | 19.18 | 6.81 | -.84 | .00 |
| 1.50 | 3.57 | 5.75 | 7511 | 1253 | 1372 | 18200 | 6780 | 1.11 | 508 | 6.6 |
| | RAM | 1.05 | 1.04 | .00 | -.01 | 1.27 | 1.66 | -.68 | .01 | .00 |
| | BLEED | -3.40 | -.97 | -.49 | 2.24 | -1.94 | -5.35 | 4.75 | .08 | .00 |
| | POWER | -5.30 | 1.42 | -.22 | 5.09 | -1.31 | -3.50 | 5.00 | -.02 | .00 |
| 2.00 | 7.25 | 9.64 | 10830 | 1345 | 1327 | 32500 | 8710 | 1.24 | 435 | 6.6 |
| | RAM | 1.09 | 1.09 | .00 | -.01 | 1.26 | 1.73 | -.70 | .00 | .00 |
| | BLEED | -2.75 | -1.23 | -.69 | 1.77 | -1.42 | -6.36 | 5.68 | .39 | .00 |
| | POWER | -2.78 | .88 | -.33 | 2.95 | -.23 | -1.91 | 2.83 | .39 | .00 |
| 2.30 | 11.2 | 13.33 | 12748 | 1406 | 1249 | 44200 | 9500 | 1.34 | 382 | 3.0 |
| | RAM | 1.12 | 1.12 | -.00 | .00 | 1.27 | 1.80 | -.75 | .00 | -24.00 |
| | BLEED | -1.03 | 1.65 | .39 | .61 | -.54 | -3.89 | 5.89 | .38 | .00 |
| | POWER | .61 | 5.40 | 1.62 | -.01 | .68 | 4.24 | 1.12 | -.29 | .00 |

CONFIDENTIAL

GEI 84219

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S.11.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|--------|---------|--------|-------|--------|--------|-------|
| .90 | NR = | 1.00 | 1.69 | 2610 | -230 | -3.460 | 830 | 15.1 | 92 | 878 |
| | P2 = | 3.62 | RAM | .99 | -4.66 | 4.00 | -.04 | .85 | .99 | -.34 |
| | T2 = | 500 | BLEED | .02 | 9.70 | -4.85 | -.42 | -1.46 | .02 | 2.25 |
| | ERI = | 0 | POWER | -.08 | -114.57 | 197.77 | 2.20 | 11.30 | -.08 | 22.70 |
| 1.20 | NR = | .991 | 2.41 | 4400 | -780 | -.995 | 885 | 18.6 | 116 | 849 |
| | P2 = | 5.15 | RAM | .90 | -1.06 | 1.00 | -.07 | .73 | .90 | -.32 |
| | T2 = | 554 | BLEED | -1.07 | 9.72 | -8.49 | -.89 | -3.48 | -1.07 | .67 |
| | ERI = | 100 | POWER | -13.05 | 29.41 | -28.54 | -4.15 | -14.80 | -13.05 | 1.75 |
| 1.50 | NR = | .971 | 3.57 | 11400 | 4720 | 1.37 | 1225 | 62.6 | 241 | 1604 |
| | P2 = | 7.63 | RAM | 1.04 | 2.38 | -1.54 | -.00 | 1.04 | 1.04 | -.01 |
| | T2 = | 624 | BLEED | .04 | -1.91 | 4.59 | -.33 | -1.14 | .04 | 2.10 |
| | ERI = | 0 | POWER | -.07 | 8.49 | 1.20 | .50 | 2.08 | -.07 | 4.84 |
| 2.00 | NR = | .925 | 7.25 | 24100 | 5380 | 1.51 | 1384 | 95.0 | 380 | 1585 |
| | P2 = | 15.50 | RAM | 1.09 | 2.24 | -1.32 | -.00 | 1.09 | 1.09 | -.01 |
| | T2 = | 774 | BLEED | .02 | -2.75 | 6.54 | -.28 | -1.19 | .02 | 2.18 |
| | ERI = | 0 | POWER | -.02 | 7.29 | .42 | .31 | 1.47 | -.02 | 3.16 |
| 2.30 | NR = | .893 | 11.2 | 35700 | 3940 | 2.04 | 1480 | 115.6 | 490 | 1536 |
| | P2 = | 23.94 | RAM | 1.12 | 2.79 | -1.95 | -.00 | 1.13 | 1.12 | -.01 |
| | T2 = | 883 | BLEED | .01 | -5.68 | 11.02 | -.30 | -1.30 | .01 | 2.11 |
| | ERI = | 0 | POWER | -.01 | 9.31 | -1.89 | .18 | 1.16 | -.01 | 2.43 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 45000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|--------|-------|-------|------|--------|---------|---------|--------|--------|
| .90 | 1.69 | 1.49 | 791 | 673 | 1587 | 2630 | 30 | 31.27 | 365 | 6.6 |
| | RAM | .55 | .27 | -.19 | .00 | 1.53 | 57.44 | 30.54 | -.01 | .00 |
| | BLEED | -.33 | 4.14 | .89 | .00 | -.92 | -96.85 | -223.08 | .02 | .00 |
| | POWER | 3.85 | 64.39 | 12.34 | .00 | 10.93 | 1144.93 | -553.96 | -.08 | .00 |
| 1.20 | 2.41 | 1.79 | 780 | 689 | 1587 | 4000 | -400 | -1.960 | 342 | 6.6 |
| | RAM | .68 | .00 | -.18 | .00 | 1.32 | -3.36 | 2.88 | -.12 | .00 |
| | BLEED | -1.73 | .00 | -.07 | .00 | -3.41 | 22.48 | -16.81 | -1.07 | .00 |
| | POWER | -11.54 | .00 | -1.09 | .00 | -22.25 | 79.58 | -73.4 | -13.05 | .00 |
| 1.50 | 3.57 | 4.76 | 6461 | 1169 | 1587 | 16800 | 5350 | 1.21 | 508 | 6.6 |
| | RAM | 1.04 | 1.02 | -.00 | .00 | 1.30 | 1.86 | -.92 | .01 | .00 |
| | BLEED | -.37 | 2.55 | 1.09 | .00 | -.48 | -1.59 | 4.24 | .04 | .00 |
| | POWER | 1.73 | 9.74 | 3.40 | .00 | 2.20 | 7.04 | 2.61 | -.07 | .00 |
| 2.00 | 7.25 | 7.62 | 8109 | 1202 | 1587 | 29700 | 5660 | 1.43 | 441 | 6.6 |
| | RAM | 1.08 | 1.08 | -.00 | .00 | 1.28 | 2.10 | -1.15 | .01 | .00 |
| | BLEED | -.38 | 3.51 | 1.07 | .00 | -.48 | -2.60 | 6.37 | .02 | .00 |
| | POWER | 1.11 | 7.73 | 2.06 | .00 | 1.30 | 6.88 | .80 | -.02 | .00 |
| 2.30 | 11.2 | 9.83 | 8026 | 1209 | 1587 | 40000 | 4390 | 1.83 | 393 | 3.0 |
| | RAM | 1.12 | 1.12 | -.00 | .00 | 1.30 | 2.69 | -1.82 | .01 | -24.00 |
| | BLEED | -.46 | 4.40 | .96 | .00 | -.55 | -5.07 | 10.25 | .01 | .00 |
| | POWER | .78 | 7.25 | 1.45 | .00 | .90 | 8.30 | -.97 | -.01 | .00 |

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CONFIDENTIAL

12. 55000 FEET

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|--------|------|-------|------|------|
| 1.50 | NR = .971 | 3.56 | 7310 | 13900 | 2.22 | 1164 | 44.1 | 162 | 1765 |
| | P2 = 4.71 | RAM | 1.05 | 1.41 | -.56 | -.00 | 1.05 | 1.05 | -.00 |
| | T2 = 566 | BLEED | .10 | -5.38 | -1.58 | -.54 | -1.87 | .10 | -.00 |
| | ERI = 1 | POWER | .01 | -12.17 | -10.11 | .10 | .40 | .01 | -.02 |
| 1.80 | NR = .945 | 5.43 | 11900 | 16900 | 2.02 | 1258 | 58.8 | 219 | 1765 |
| | P2 = 7.18 | RAM | 1.07 | 1.36 | -.36 | -.00 | 1.07 | 1.07 | .00 |
| | T2 = 643 | BLEED | .07 | -7.20 | -.63 | -.55 | -1.86 | .07 | .01 |
| | ERI = 1 | POWER | -.01 | -12.07 | -4.13 | .09 | .38 | -.01 | .02 |
| 2.00 | NR = .925 | 7.24 | 16000 | 20200 | 2.00 | 1327 | 70.9 | 266 | 1779 |
| | P2 = 9.57 | RAM | 1.09 | 1.37 | -.34 | -.00 | 1.09 | 1.09 | .00 |
| | T2 = 702 | BLEED | .06 | -6.83 | -.20 | -.52 | -1.94 | .06 | -.00 |
| | ERI = 1 | POWER | .00 | -9.37 | -2.78 | .07 | .29 | .00 | -.01 |
| 2.30 | NR = .893 | 11.2 | 23500 | 27500 | 2.11 | 1429 | 91.0 | 340 | 1867 |
| | P2 = 14.78 | RAM | 1.12 | 1.32 | -.26 | -.00 | 1.13 | 1.12 | .00 |
| | T2 = 802 | BLEED | .40 | -2.36 | 2.18 | -.55 | -2.08 | .40 | -.00 |
| | ERI = 1 | POWER | .46 | -.66 | 1.60 | .05 | .22 | .46 | .01 |
| 2.50 | NR = .870 | 14.9 | 29700 | 31300 | 2.07 | 1500 | 106.1 | 395 | 1933 |
| | P2 = 19.69 | RAM | 1.15 | 1.32 | -.22 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = 876 | BLEED | 1.05 | -2.00 | 2.50 | -.54 | -2.11 | 1.05 | .00 |
| | ERI = 1 | POWER | 1.14 | -.13 | 1.63 | .04 | .21 | 1.14 | .00 |
| 2.70 | NR = .846 | 19.8 | 35800 | 34400 | 2.04 | 1560 | 118.2 | 441 | 1975 |
| | P2 = 26.13 | RAM | 1.18 | 1.36 | -.17 | -.00 | 1.19 | 1.18 | .00 |
| | T2 = 955 | BLEED | 1.77 | -1.82 | 3.03 | -.51 | -2.15 | 1.77 | .00 |
| | ERI = 1 | POWER | 1.48 | .03 | 1.82 | .03 | .14 | 1.48 | -.01 |
| 3.00 | NR = .809 | 29.9 | 48500 | 39000 | 2.08 | 1639 | 132.5 | 537 | 2042 |
| | P2 = 39.50 | RAM | 1.24 | 1.38 | -.14 | -.00 | 1.23 | 1.24 | -.00 |
| | T2 = 1083 | BLEED | .41 | -2.64 | 1.95 | -.55 | -2.32 | .41 | -.00 |
| | ERI = 1 | POWER | .26 | -.13 | .60 | .02 | .09 | .26 | -.01 |

CONFIDENTIAL

GEM 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | WZK | BTANG |
|------|-------|-------|--------|--------|------|-------|--------|--------|------|-------|
| 1.50 | 3.56 | 6.04 | 30794 | 3260 | 2402 | 21400 | 14100 | 2.19 | 527 | 3.0 |
| | RAM | 1.05 | .89 | .03 | .00 | 1.29 | 1.41 | -.56 | .02 | .00 |
| | BLEED | -2.88 | -6.83 | -3.08 | -.02 | -3.50 | -5.36 | -1.60 | .10 | .00 |
| | POWER | -6.56 | -21.89 | -9.98 | -.14 | -7.99 | -12.16 | -10.12 | .01 | .00 |
| 1.80 | 5.43 | 7.84 | 34068 | 3059 | 2400 | 29300 | 17400 | 1.96 | 500 | 3.0 |
| | RAM | 1.07 | 1.02 | .04 | .02 | 1.29 | 1.44 | -.45 | .01 | .00 |
| | BLEED | -3.67 | -7.76 | -4.67 | .01 | -4.36 | -7.39 | -.42 | .07 | .00 |
| | POWER | -6.18 | -15.98 | -10.38 | -.01 | -7.38 | -12.42 | -3.77 | -.01 | .00 |
| 2.00 | 7.24 | 9.55 | 40418 | 3096 | 2400 | 36900 | 20900 | 1.93 | 475 | .0 |
| | RAM | 1.10 | 1.05 | .02 | .00 | 1.28 | 1.43 | -.40 | .01 | .00 |
| | BLEED | -3.31 | -7.01 | -4.06 | -.02 | -3.89 | -6.91 | -.11 | .06 | .00 |
| | POWER | -4.54 | -12.02 | -7.70 | -.06 | -5.38 | -9.50 | -2.65 | .00 | .00 |
| 2.30 | 11.2 | 13.63 | 58024 | 3400 | 2280 | 52800 | 29200 | 1.99 | 420 | .0 |
| | RAM | 1.13 | 1.08 | .00 | -.01 | 1.28 | 1.40 | -.35 | .00 | .00 |
| | BLEED | -2.95 | -.25 | -.07 | 2.33 | -1.05 | -2.22 | 2.03 | .40 | .00 |
| | POWER | -3.41 | .94 | .00 | 3.84 | -.00 | -.37 | 1.32 | .46 | .00 |
| 2.50 | 14.9 | 17.39 | 64801 | 3400 | 2081 | 63200 | 33400 | 1.94 | 383 | .0 |
| | RAM | 1.16 | 1.12 | .00 | -.02 | 1.29 | 1.41 | -.32 | -.00 | .00 |
| | BLEED | -3.04 | .42 | .00 | 3.09 | -.34 | -1.57 | 2.04 | 1.05 | .00 |
| | POWER | -2.97 | 1.50 | .00 | 4.03 | .78 | .46 | 1.03 | 1.14 | .00 |
| 2.70 | 19.8 | 21.77 | 69981 | 3400 | 1860 | 72200 | 36400 | 1.92 | 336 | .0 |
| | RAM | 1.19 | 1.17 | -.00 | -.02 | 1.31 | 1.45 | -.26 | -.00 | .00 |
| | BLEED | -2.97 | 1.12 | .00 | 3.75 | .41 | -.92 | 2.07 | 1.77 | .00 |
| | POWER | -2.39 | 1.84 | .00 | 3.82 | 1.23 | .98 | .86 | 1.48 | .00 |
| 3.00 | 29.9 | 29.38 | 81159 | 3400 | 1683 | 90600 | 42100 | 1.93 | 289 | .0 |
| | RAM | 1.24 | 1.23 | -.00 | -.00 | 1.36 | 1.50 | -.25 | -.00 | .00 |
| | BLEED | -2.69 | -.77 | -.22 | 1.95 | -1.00 | -2.61 | 1.92 | .41 | .00 |
| | POWER | -1.82 | .47 | .00 | 2.04 | .09 | -.11 | .57 | .26 | .00 |

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GEI 64219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| 1.50 | NR = .971 | 3.56 | 7310 | 12300 | 1.96 | 1164 | 44.1 | 162 | 1765 |
| | P2 = 4.71 | RAM | 1.05 | 1.44 | -.55 | -.00 | 1.05 | 1.05 | -.00 |
| | T2 = 566 | BLEED | .10 | -3.31 | 1.91 | -.54 | -1.87 | .10 | -.00 |
| | ERI = 0 | POWER | .01 | -2.92 | 3.60 | .10 | .40 | .01 | -.02 |
| 1.80 | NR = .945 | 5.43 | 11900 | 15900 | 1.93 | 1258 | 58.8 | 219 | 1765 |
| | P2 = 7.18 | RAM | 1.07 | 1.35 | -.40 | -.00 | 1.07 | 1.07 | .00 |
| | T2 = 643 | BLEED | .07 | -3.69 | 2.35 | -.55 | -1.86 | .07 | .01 |
| | ERI = 0 | POWER | -.01 | -2.51 | 3.20 | .09 | .38 | -.01 | .02 |
| 2.00 | NR = .925 | 7.24 | 16000 | 18900 | 1.92 | 1327 | 70.9 | 266 | 1779 |
| | P2 = 9.57 | RAM | 1.09 | 1.35 | -.37 | -.00 | 1.09 | 1.09 | .00 |
| | T2 = 702 | BLEED | .06 | -3.65 | 2.18 | -.52 | -1.94 | .06 | -.00 |
| | ERI = 0 | POWER | .00 | -1.91 | 2.43 | .07 | .29 | .00 | -.01 |
| 2.30 | NR = .893 | 11.2 | 23500 | 23900 | 1.90 | 1429 | 91.0 | 340 | 1867 |
| | P2 = 14.78 | RAM | 1.12 | 1.33 | -.29 | -.00 | 1.13 | 1.12 | .00 |
| | T2 = 802 | BLEED | .40 | -3.50 | 1.82 | -.55 | -2.08 | .40 | -.00 |
| | ERI = 0 | POWER | .46 | -1.15 | 1.54 | .05 | .22 | .46 | .01 |
| 2.50 | NR = .870 | 14.9 | 29700 | 27600 | 1.90 | 1500 | 106.1 | 395 | 1933 |
| | P2 = 19.69 | RAM | 1.15 | 1.33 | -.25 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = 876 | BLEED | 1.05 | -3.63 | 1.93 | -.54 | -2.11 | 1.05 | .00 |
| | ERI = 0 | POWER | 1.14 | -1.00 | 1.39 | .04 | .21 | 1.14 | .00 |
| 2.70 | NR = .846 | 19.8 | 35800 | 30200 | 1.90 | 1560 | 118.2 | 441 | 1975 |
| | P2 = 26.13 | RAM | 1.18 | 1.34 | -.20 | -.00 | 1.19 | 1.18 | .00 |
| | T2 = 955 | BLEED | 1.77 | -3.27 | 1.50 | -.51 | -2.15 | 1.77 | .00 |
| | ERI = 0 | POWER | 1.48 | -.22 | .53 | .03 | .14 | 1.48 | -.01 |
| 3.00 | NR = .809 | 29.9 | 48500 | 32500 | 1.94 | 1639 | 132.5 | 537 | 2042 |
| | P2 = 39.50 | RAM | 1.24 | 1.35 | -.17 | -.00 | 1.23 | 1.24 | -.00 |
| | T2 = 1083 | BLEED | .41 | -3.95 | 2.06 | -.55 | -2.32 | .41 | -.00 |
| | ERI = 0 | POWER | .26 | -.39 | .65 | .02 | .09 | .26 | -.01 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| 1.50 | 3.56 | 6.13 | 24174 | 2880 | 2198 | 19900 | 12500 | 1.93 | 527 | 3.0 |
| | RAM | 1.05 | .92 | -.01 | -.01 | 1.27 | 1.40 | -.51 | .02 | .00 |
| | BLEED | -3.12 | -1.50 | -.82 | 1.78 | -2.06 | -3.31 | 1.91 | .10 | .00 |
| | POWER | -7.57 | .65 | -.57 | 7.16 | -1.97 | -3.12 | 3.81 | .01 | .00 |
| 1.80 | 5.43 | 7.90 | 30786 | 2878 | 2302 | 28300 | 16400 | 1.88 | 500 | 3.0 |
| | RAM | 1.08 | .97 | .00 | -.01 | 1.27 | 1.41 | -.48 | .01 | .00 |
| | BLEED | -4.15 | -1.47 | -.77 | 2.86 | -2.15 | -3.76 | 2.43 | .07 | .00 |
| | POWER | -7.41 | .65 | -.33 | 7.19 | -1.59 | -2.73 | 3.42 | -.01 | .00 |
| 2.00 | 7.24 | 9.63 | 36189 | 2898 | 2294 | 35600 | 19500 | 1.85 | 475 | .0 |
| | RAM | 1.10 | 1.00 | -.01 | -.02 | 1.26 | 1.40 | -.43 | .01 | .00 |
| | BLEED | -3.71 | -1.59 | -.72 | 2.42 | -1.97 | -3.64 | 2.17 | .06 | .00 |
| | POWER | -5.45 | .49 | -.16 | 5.33 | -1.00 | -1.81 | 2.33 | .00 | .00 |
| 2.30 | 11.2 | 13.83 | 45394 | 2969 | 2076 | 48600 | 25100 | 1.81 | 420 | .0 |
| | RAM | 1.14 | 1.06 | -.02 | -.03 | 1.26 | 1.40 | -.36 | .00 | .00 |
| | BLEED | -2.80 | -1.77 | -.92 | 1.66 | -1.53 | -3.33 | 1.64 | .40 | .00 |
| | POWER | -3.26 | .38 | -.32 | 3.47 | -.17 | -.76 | 1.14 | .46 | .00 |
| 2.50 | 14.9 | 17.57 | 52286 | 3020 | 1921 | 58800 | 29000 | 1.80 | 383 | .0 |
| | RAM | 1.16 | 1.09 | -.02 | -.03 | 1.28 | 1.41 | -.34 | -.00 | .00 |
| | BLEED | -2.87 | -1.80 | -1.26 | 2.19 | -1.07 | -3.24 | 1.52 | 1.05 | .00 |
| | POWER | -2.83 | .37 | -.65 | 3.55 | .41 | -.34 | .71 | 1.14 | .00 |
| 2.70 | 19.8 | 21.93 | 57370 | 3054 | 1733 | 67600 | 31800 | 1.80 | 336 | .0 |
| | RAM | 1.20 | 1.13 | -.02 | -.03 | 1.30 | 1.43 | -.28 | -.00 | .00 |
| | BLEED | -2.81 | -1.84 | -1.62 | 2.59 | -.55 | -3.17 | 1.40 | 1.77 | .00 |
| | POWER | -2.28 | .30 | -.84 | 3.19 | .73 | -.13 | .43 | 1.48 | .00 |
| 3.00 | 29.9 | 29.59 | 63014 | 2979 | 1548 | 83500 | 35000 | 1.80 | 289 | .0 |
| | RAM | 1.24 | 1.18 | -.03 | -.02 | 1.34 | 1.48 | -.28 | -.00 | .00 |
| | BLEED | -2.62 | -2.01 | -.90 | 1.50 | -1.38 | -3.86 | 1.96 | .41 | .00 |
| | POWER | -1.79 | .26 | -.13 | 1.91 | .01 | -.32 | .58 | .26 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| 1.50 | NR = .971 | 3.56 | 7310 | 9970 | 1.67 | 1164 | 44.1 | 162 | 1765 |
| | P2 = 4.71 | RAM | 1.05 | 1.43 | -.51 | -.00 | 1.05 | 1.05 | -.00 |
| | T2 = 566 | BLEED | .10 | -3.49 | 2.11 | -.54 | -1.87 | .10 | -.00 |
| | ERI = 0 | POWER | .01 | -3.07 | 3.90 | .10 | .40 | .01 | -.02 |
| 1.80 | NR = .945 | 5.43 | 11900 | 12700 | 1.67 | 1258 | 58.8 | 219 | 1765 |
| | P2 = 7.18 | RAM | 1.07 | 1.47 | -.51 | -.00 | 1.07 | 1.07 | .00 |
| | T2 = 643 | BLEED | .07 | -4.25 | 3.03 | -.55 | -1.86 | .07 | .01 |
| | ERI = 0 | POWER | -.01 | -3.45 | 4.31 | .09 | .38 | -.01 | .02 |
| 2.00 | NR = .925 | 7.24 | 16000 | 15100 | 1.65 | 1327 | 70.9 | 266 | 1779 |
| | P2 = 9.57 | RAM | 1.09 | 1.46 | -.47 | -.00 | 1.09 | 1.09 | .00 |
| | T2 = 702 | BLEED | .06 | -4.01 | 2.62 | -.52 | -1.94 | .06 | -.00 |
| | ERI = 0 | POWER | .00 | -1.87 | 2.49 | .07 | .29 | .00 | -.01 |
| 2.30 | NR = .893 | 11.2 | 23500 | 19000 | 1.65 | 1429 | 91.0 | 340 | 1867 |
| | P2 = 14.78 | RAM | 1.12 | 1.42 | -.37 | -.00 | 1.13 | 1.12 | .00 |
| | T2 = 802 | BLEED | .40 | -3.79 | 2.18 | -.55 | -2.08 | .40 | -.00 |
| | ERI = 0 | POWER | .46 | -.86 | 1.32 | .05 | .22 | .46 | .01 |
| 2.50 | NR = .870 | 14.9 | 29700 | 21900 | 1.66 | 1500 | 106.1 | 395 | 1933 |
| | P2 = 19.69 | RAM | 1.15 | 1.44 | -.35 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = 876 | BLEED | 1.05 | -4.01 | 2.42 | -.54 | -2.11 | 1.05 | .00 |
| | ERI = 0 | POWER | 1.14 | -.83 | 1.29 | .04 | .21 | 1.14 | .00 |
| 2.70 | NR = .846 | 19.8 | 35800 | 23500 | 1.69 | 1560 | 118.2 | 441 | 1975 |
| | P2 = 26.13 | RAM | 1.18 | 1.41 | -.25 | -.00 | 1.19 | 1.18 | .00 |
| | T2 = 955 | BLEED | 1.77 | -3.88 | 2.24 | -.51 | -2.15 | 1.77 | .00 |
| | ERI = 0 | POWER | 1.48 | -.35 | .74 | .03 | .14 | 1.48 | -.01 |
| 3.00 | NR = .809 | 29.9 | 48500 | 24900 | 1.74 | 1639 | 132.5 | 537 | 2042 |
| | P2 = 39.50 | RAM | 1.24 | 1.46 | -.25 | -.00 | 1.23 | 1.24 | -.00 |
| | T2 = 1083 | BLEED | .41 | -4.71 | 2.98 | -.55 | -2.32 | .41 | -.00 |
| | ERI = 0 | POWER | .26 | -.49 | .82 | .02 | .09 | .26 | -.01 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| 1.50 | 3.56 | 6.26 | 16637 | 2292 | 1894 | 17400 | 10100 | 1.64 | 527 | 6.6 |
| | RAM | 1.05 | .96 | .00 | -.01 | 1.27 | 1.43 | -.51 | .02 | .00 |
| | BLEED | -3.05 | -1.49 | -.80 | 1.73 | -2.00 | -3.52 | 2.14 | .10 | .00 |
| | POWER | -7.26 | .79 | -.53 | 6.91 | -1.83 | -3.17 | 4.00 | .01 | .00 |
| 1.80 | 5.43 | 8.0 | 21224 | 2300 | 1985 | 24900 | 13000 | 1.63 | 500 | .0 |
| | RAM | 1.08 | 1.00 | .01 | -.00 | 1.27 | 1.45 | -.49 | .01 | .00 |
| | BLEED | -4.01 | -1.42 | -.74 | 2.73 | -2.08 | -4.04 | 2.80 | .07 | .00 |
| | POWER | -7.05 | .80 | -.29 | 6.84 | -1.46 | -2.79 | 3.63 | -.01 | .00 |
| 2.00 | 7.24 | 9.84 | 24951 | 2324 | 1983 | 31300 | 15300 | 1.63 | 475 | .0 |
| | RAM | 1.10 | 1.03 | -.00 | -.01 | 1.26 | 1.44 | -.45 | .01 | .00 |
| | BLEED | -3.60 | -1.54 | -.72 | 2.30 | -1.93 | -4.00 | 2.62 | .06 | .00 |
| | POWER | -5.19 | .60 | -.18 | 5.05 | -.93 | -1.91 | 2.53 | .00 | .00 |
| 2.30 | 11.2 | 14.07 | 31386 | 2400 | 1811 | 43000 | 19400 | 1.62 | 420 | .0 |
| | RAM | 1.13 | 1.08 | -.01 | -.02 | 1.27 | 1.44 | -.39 | .00 | .00 |
| | BLEED | -2.74 | -1.73 | -.93 | 1.62 | -1.50 | -3.79 | 2.19 | .40 | .00 |
| | POWER | -3.14 | .46 | -.34 | 3.35 | -.14 | -.87 | 1.34 | .46 | .00 |
| 2.50 | 14.9 | 17.82 | 36188 | 2458 | 1686 | 52000 | 22300 | 1.62 | 383 | .0 |
| | RAM | 1.16 | 1.11 | -.01 | -.02 | 1.28 | 1.46 | -.37 | -.00 | .00 |
| | BLEED | -2.81 | -1.74 | -1.25 | 2.14 | -1.03 | -3.79 | 2.17 | 1.05 | .00 |
| | POWER | -2.73 | .46 | -.65 | 3.44 | .44 | -.49 | .95 | 1.14 | .00 |
| 2.70 | 19.8 | 22.18 | 39602 | 2498 | 1530 | 60000 | 24200 | 1.64 | 336 | .0 |
| | RAM | 1.19 | 1.15 | -.01 | -.02 | 1.30 | 1.48 | -.31 | -.00 | .00 |
| | BLEED | -2.75 | -1.77 | -1.59 | 2.57 | -.49 | -3.84 | 2.19 | 1.77 | .00 |
| | POWER | -2.21 | .38 | -.82 | 3.13 | .77 | -.30 | .68 | 1.48 | .00 |
| 3.00 | 29.9 | 29.85 | 43268 | 2461 | 1378 | 74500 | 26000 | 1.67 | 289 | .0 |
| | RAM | 1.24 | 1.19 | -.02 | -.01 | 1.34 | 1.54 | -.32 | -.00 | .00 |
| | BLEED | -2.60 | -1.94 | -.87 | 1.51 | -1.34 | -4.60 | 2.86 | .41 | .00 |
| | POWER | -1.75 | .33 | -.14 | 1.89 | .02 | -.42 | .75 | .26 | .00 |

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GEI 84219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|-------|------|------|-------|------|------|
| 1.50 | NR = | .971 | 3.56 | 7310 | 7650 | 1.42 | 1164 | 44.1 | 162 | 1765 |
| | P2 = | 4.71 | RAM | 1.05 | 1.24 | -.76 | -.00 | 1.05 | 1.05 | -.00 |
| | T2 = | 566 | BLEED | .10 | -3.35 | 2.91 | -.54 | -1.87 | .10 | -.00 |
| | ERI = | 0 | POWER | .01 | -3.35 | 4.25 | .10 | .40 | .01 | -.02 |
| 1.80 | NR = | .945 | 5.43 | 11900 | 8760 | 1.39 | 1258 | 58.8 | 219 | 1765 |
| | P2 = | 7.18 | RAM | 1.07 | 1.20 | -.65 | -.00 | 1.07 | 1.07 | .00 |
| | T2 = | 643 | BLEED | .07 | -4.20 | 3.97 | -.55 | -1.86 | .07 | .01 |
| | ERI = | 0 | POWER | -.01 | -3.21 | 4.25 | .09 | .38 | -.01 | .02 |
| 2.00 | NR = | .925 | 7.24 | 16000 | 9700 | 1.41 | 1327 | 70.9 | 266 | 1779 |
| | P2 = | 9.57 | RAM | 1.09 | 1.60 | -.56 | -.00 | 1.09 | 1.09 | .00 |
| | T2 = | 702 | BLEED | .06 | -4.93 | 3.79 | -.52 | -1.94 | .06 | -.00 |
| | ERI = | 0 | POWER | .00 | -1.91 | 2.83 | .07 | .29 | .00 | -.01 |
| 2.30 | NR = | .893 | 11.2 | 23500 | 11900 | 1.45 | 1429 | 91.0 | 340 | 1867 |
| | P2 = | 14.78 | RAM | 1.12 | 1.65 | -.57 | -.00 | 1.13 | 1.12 | .00 |
| | T2 = | 802 | BLEED | .40 | -5.08 | 3.75 | -.55 | -2.08 | .40 | -.00 |
| | ERI = | 0 | POWER | .46 | -1.20 | 1.88 | .05 | .22 | .46 | .01 |
| 2.50 | NR = | .870 | 14.9 | 29700 | 13600 | 1.48 | 1500 | 106.1 | 395 | 1933 |
| | P2 = | 19.69 | RAM | 1.15 | 1.61 | -.49 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = | 876 | BLEED | 1.05 | -5.23 | 3.94 | -.54 | -2.11 | 1.05 | .00 |
| | ERI = | 0 | POWER | 1.14 | -.89 | 1.57 | .04 | .21 | 1.14 | .00 |
| 2.70 | NR = | .846 | 19.8 | 35800 | 14300 | 1.53 | 1560 | 118.2 | 441 | 1975 |
| | P2 = | 26.13 | RAM | 1.18 | 1.63 | -.40 | -.00 | 1.19 | 1.18 | .00 |
| | T2 = | 955 | BLEED | 1.77 | -5.57 | 4.33 | -.51 | -2.15 | 1.77 | .00 |
| | ERI = | 0 | POWER | 1.48 | -.72 | 1.33 | .03 | .14 | 1.48 | -.01 |
| 3.00 | NR = | .809 | 29.9 | 48500 | 14300 | 1.64 | 1639 | 132.5 | 537 | 2042 |
| | P2 = | 39.50 | RAM | 1.24 | 1.62 | -.35 | -.00 | 1.23 | 1.24 | -.00 |
| | T2 = | 1083 | BLEED | .41 | -6.84 | 5.64 | -.55 | -2.32 | .41 | -.00 |
| | ERI = | 0 | POWER | .26 | -.69 | 1.24 | .02 | .09 | .26 | -.01 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| 1.50 | 3.56 | 6.37 | 10887 | 1775 | 1622 | 15200 | 7860 | 1.39 | 527 | 6.6 |
| | RAM | 1.07 | .52 | -.29 | -.18 | 1.12 | 1.18 | -.70 | .02 | .00 |
| | BLEED | -3.02 | -.59 | -.24 | 2.00 | -1.67 | -3.31 | 2.87 | .10 | .00 |
| | POWER | -7.02 | .86 | -.61 | 6.57 | -1.79 | -3.46 | 4.37 | .01 | .00 |
| 1.80 | 5.43 | 8.27 | 12215 | 1666 | 1633 | 20800 | 8950 | 1.36 | 500 | 6.6 |
| | RAM | 1.09 | .59 | -.25 | -.15 | 1.13 | 1.21 | -.66 | .01 | .00 |
| | BLEED | -3.92 | -.48 | -.20 | 2.94 | -1.73 | -4.13 | 3.90 | .07 | .00 |
| | POWER | -6.74 | .98 | -.32 | 6.48 | -1.38 | -3.19 | 4.23 | -.01 | .00 |
| 2.00 | 7.24 | 10.08 | 13713 | 1655 | 1615 | 26000 | 9970 | 1.38 | 475 | 3.0 |
| | RAM | 1.10 | 1.09 | .02 | .01 | 1.27 | 1.56 | -.51 | .01 | .00 |
| | BLEED | -3.49 | -1.42 | -.67 | 2.21 | -1.85 | -4.92 | 3.79 | .06 | .00 |
| | POWER | -4.95 | .88 | -.19 | 4.77 | -.87 | -2.28 | 3.20 | .00 | .00 |
| 2.30 | 11.2 | 14.34 | 17378 | 1741 | 1497 | 35900 | 12300 | 1.41 | 420 | .0 |
| | RAM | 1.13 | 1.13 | .02 | -.00 | 1.27 | 1.56 | -.47 | .00 | .00 |
| | BLEED | -2.68 | -1.62 | -.87 | 1.59 | -1.43 | -4.93 | 3.57 | .40 | .00 |
| | POWER | -3.01 | .67 | -.35 | 3.21 | -.11 | -1.21 | 1.90 | .46 | .00 |
| 2.50 | 14.9 | 18.11 | 20090 | 1804 | 1406 | 43700 | 13900 | 1.44 | 383 | .0 |
| | RAM | 1.16 | 1.16 | .02 | -.01 | 1.29 | 1.58 | -.46 | -.00 | .00 |
| | BLEED | -2.75 | -1.60 | -1.13 | 2.16 | -.92 | -5.11 | 3.80 | 1.05 | .00 |
| | POWER | -2.62 | .67 | -.60 | 3.36 | .51 | -.85 | 1.52 | 1.14 | .00 |
| 2.70 | 19.8 | 22.47 | 21835 | 1852 | 1286 | 50500 | 14700 | 1.48 | 336 | .0 |
| | RAM | 1.19 | 1.19 | .01 | -.01 | 1.31 | 1.62 | -.40 | -.00 | .00 |
| | BLEED | -2.69 | -1.61 | -1.39 | 2.66 | -.33 | -5.44 | 4.17 | 1.77 | .00 |
| | POWER | -2.13 | .59 | -.72 | 3.15 | .86 | -.67 | 1.28 | 1.48 | .00 |
| 3.00 | 29.9 | 30.15 | 23522 | 1864 | 1176 | 63500 | 15000 | 1.57 | 289 | .0 |
| | RAM | 1.24 | 1.24 | -.00 | -.00 | 1.35 | 1.72 | -.44 | -.00 | .00 |
| | BLEED | -2.57 | -1.77 | -.78 | 1.53 | -1.26 | -6.68 | 5.46 | .41 | .00 |
| | POWER | -1.71 | .54 | -.14 | 1.84 | .03 | -.69 | 1.25 | .26 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|-------|------|-------|------|------|
| .90 | NR = 1.00 | 1.69 | 2420 | 3090 | .97 | 996 | 24.0 | 89 | 1659 |
| | P2 = 2.24 | RAM | 1.02 | 1.76 | -.80 | -.01 | 1.03 | 1.02 | -.00 |
| | T2 = 453 | BLEED | .30 | -3.84 | 2.73 | -.67 | -1.97 | .30 | -.01 |
| | ERI = 101 | POWER | 2.04 | -5.34 | 9.16 | .28 | .94 | 2.04 | -.05 |
| 1.20 | NR = .991 | 2.41 | 4360 | 3680 | 1.16 | 1085 | 33.2 | 121 | 1765 |
| | P2 = 3.18 | RAM | 1.03 | -1.70 | -.84 | -.00 | 1.03 | 1.03 | .00 |
| | T2 = 503 | BLEED | .06 | -4.09 | 3.06 | -.62 | -1.97 | .06 | -.00 |
| | ERI = 0 | POWER | .30 | -4.10 | 7.34 | .18 | .60 | .30 | -.01 |
| 1.50 | NR = .971 | 3.56 | 7310 | 4730 | 1.14 | 1164 | 44.1 | 162 | 1765 |
| | P2 = 4.71 | RAM | 1.05 | 1.83 | -.86 | -.00 | 1.05 | 1.05 | -.00 |
| | T2 = 566 | BLEED | .10 | -4.89 | 4.00 | -.54 | -1.87 | .10 | -.00 |
| | ERI = 0 | POWER | .01 | -3.61 | 5.40 | .10 | .40 | .01 | -.02 |
| 1.80 | NR = .945 | 5.43 | 11900 | 5730 | 1.17 | 1258 | 58.8 | 219 | 1765 |
| | P2 = 7.18 | RAM | 1.07 | 1.71 | -.70 | -.00 | 1.07 | 1.07 | .00 |
| | T2 = 643 | BLEED | .07 | -5.51 | 5.05 | -.55 | -1.86 | .07 | .01 |
| | ERI = 0 | POWER | -.01 | -2.92 | 4.76 | .09 | .38 | -.01 | .02 |
| 2.00 | NR = .925 | 7.24 | 16000 | 6340 | 1.22 | 1327 | 70.9 | 266 | 1779 |
| | P2 = 9.57 | RAM | 1.09 | 1.70 | -.67 | -.00 | 1.09 | 1.09 | .00 |
| | T2 = 702 | BLEED | .06 | -6.23 | 5.76 | -.52 | -1.94 | .06 | -.00 |
| | ERI = 0 | POWER | .00 | -2.78 | 4.19 | .07 | .29 | .00 | -.01 |
| 2.30 | NR = .893 | 11.2 | 23500 | 7480 | 1.30 | 1429 | 91.0 | 340 | 1867 |
| | P2 = 14.78 | RAM | 1.12 | 1.74 | -.67 | -.00 | 1.13 | 1.12 | .00 |
| | T2 = 802 | BLEED | .40 | -6.78 | 6.16 | -.55 | -2.08 | .40 | -.00 |
| | ERI = 0 | POWER | .46 | -1.97 | 3.04 | .05 | .22 | .46 | .01 |
| 2.50 | NR = .870 | 14.9 | 29700 | 8140 | 1.37 | 1500 | 106.1 | 395 | 1933 |
| | P2 = 19.69 | RAM | 1.15 | 1.90 | -.82 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = 876 | BLEED | 1.05 | -7.13 | 6.65 | -.54 | -2.11 | 1.05 | .00 |
| | ERI = 0 | POWER | 1.14 | -1.13 | 2.18 | .04 | .21 | 1.14 | .00 |
| 2.70 | NR = .846 | 19.8 | 35800 | 8230 | 1.44 | 1560 | 118.2 | 441 | 1975 |
| | P2 = 26.13 | RAM | 1.18 | 1.96 | -.70 | -.00 | 1.19 | 1.18 | .00 |
| | T2 = 955 | BLEED | 1.77 | -8.00 | 7.77 | -.51 | -2.15 | 1.77 | .00 |
| | ERI = 0 | POWER | 1.48 | -1.01 | 2.00 | .03 | .14 | 1.48 | -.01 |
| 3.00 | NR = .809 | 29.9 | 48500 | 7600 | 1.63 | 1639 | 132.5 | 537 | 2042 |
| | P2 = 39.50 | RAM | 1.24 | 1.94 | -.64 | -.00 | 1.23 | 1.24 | -.00 |
| | T2 = 1083 | BLEED | .41 | -10.88 | 11.47 | -.55 | -2.32 | .41 | -.00 |
| | ERI = 0 | POWER | .26 | -1.25 | 2.23 | .02 | .09 | .26 | -.01 |

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GEI 64219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|--------|-------|-------|-------|-------|--------|-------|------|--------|
| .90 | 1.69 | 3.69 | 2993 | 1138 | 1226 | 5710 | 3300 | .91 | 548 | 15.1 |
| | RAM | 1.05 | 1.03 | .01 | -.02 | 1.36 | 1.60 | -.62 | .02 | .00 |
| | BLEED | -3.02 | -1.27 | -.78 | 1.91 | -2.09 | -3.84 | 2.72 | .30 | .00 |
| | POWER | -14.33 | 3.74 | -1.74 | 15.10 | -3.49 | -7.55 | 11.42 | 2.04 | .00 |
| 1.20 | 2.41 | 5.03 | 4272 | 1219 | 1260 | 8730 | 4370 | .98 | 548 | 6.6 |
| | RAM | 1.03 | 1.03 | .00 | .00 | 1.28 | 1.53 | -.54 | .03 | -25.76 |
| | BLEED | -2.91 | -1.29 | -.66 | 1.64 | -2.00 | -4.06 | 2.95 | .06 | 85.86 |
| | POWER | -9.22 | 2.46 | -.68 | 9.03 | -2.33 | -4.96 | 7.50 | .30 | 55.19 |
| 1.50 | 3.56 | 6.48 | 5387 | 1237 | 1319 | 12500 | 5180 | 1.04 | 527 | 6.6 |
| | RAM | 1.05 | 1.05 | .00 | -.00 | 1.26 | 1.56 | -.56 | .02 | .00 |
| | BLEED | -2.94 | -1.19 | -.60 | 1.73 | -1.83 | -4.54 | 3.60 | .10 | .00 |
| | POWER | -6.80 | 1.73 | -.48 | 6.45 | -1.63 | -3.94 | 5.74 | .01 | .00 |
| 1.80 | 5.43 | 8.39 | 6715 | 1258 | 1389 | 17900 | 6020 | 1.12 | 500 | 6.6 |
| | RAM | 1.08 | 1.07 | .00 | -.00 | 1.26 | 1.62 | -.60 | .01 | .00 |
| | BLEED | -3.82 | -.87 | -.44 | 2.71 | -1.83 | -5.58 | 5.14 | .07 | .00 |
| | POWER | -6.55 | 1.78 | -.15 | 6.39 | -1.23 | -3.63 | 5.49 | -.01 | .00 |
| 2.00 | 7.24 | 10.22 | 7744 | 1285 | 1396 | 22600 | 6630 | 1.17 | 475 | 6.6 |
| | RAM | 1.10 | 1.09 | .00 | -.01 | 1.26 | 1.66 | -.62 | .01 | .00 |
| | BLEED | -3.44 | -1.01 | -.50 | 2.26 | -1.73 | -6.06 | 5.56 | .06 | .00 |
| | POWER | -4.82 | 1.34 | -.21 | 4.64 | -.85 | -2.90 | 4.31 | .00 | .00 |
| 2.30 | 11.2 | 14.49 | 9721 | 1367 | 1303 | 31400 | 7840 | 1.24 | 420 | 3.0 |
| | RAM | 1.13 | 1.13 | .00 | -.01 | 1.27 | 1.69 | -.61 | .00 | .00 |
| | BLEED | -2.65 | -1.25 | -.69 | 1.68 | -1.31 | -6.44 | 5.74 | .40 | .00 |
| | POWER | -2.94 | 1.03 | -.35 | 3.16 | -.09 | -1.76 | 2.83 | .46 | .00 |
| 2.50 | 14.9 | 18.28 | 11159 | 1428 | 1231 | 38300 | 8620 | 1.30 | 383 | .0 |
| | RAM | 1.16 | 1.16 | .00 | -.01 | 1.28 | 1.73 | -.62 | -.00 | .00 |
| | BLEED | -2.72 | -1.18 | -.86 | 2.28 | -.75 | -6.93 | 6.41 | 1.05 | .00 |
| | POWER | -2.56 | 1.03 | -.51 | 3.36 | .58 | -1.36 | 2.42 | 1.14 | .00 |
| 2.70 | 19.8 | 22.64 | 11887 | 1477 | 1133 | 44500 | 8710 | 1.36 | 336 | .0 |
| | RAM | 1.19 | 1.20 | .01 | -.01 | 1.30 | 1.82 | -.57 | -.00 | .00 |
| | BLEED | -2.66 | -1.16 | -1.02 | 2.82 | -.10 | -7.78 | 7.49 | 1.77 | .00 |
| | POWER | -2.09 | .98 | -.57 | 3.17 | .96 | -1.19 | 2.19 | 1.48 | .00 |
| 3.00 | 29.9 | 30.32 | 12368 | 1524 | 1050 | 56600 | 8120 | 1.52 | 289 | .0 |
| | RAM | 1.24 | 1.24 | .00 | -.00 | 1.35 | 2.01 | -.70 | -.00 | .00 |
| | BLEED | -2.56 | -1.28 | -.54 | 1.67 | -1.12 | -10.21 | 10.54 | .41 | .00 |
| | POWER | -1.69 | .95 | -.13 | 1.84 | .04 | -1.23 | 2.21 | .26 | .00 |

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GE184219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|------|-----------|-------|------|-------|-------|------|-------|------|-------|
| .90 | NR = 1.00 | 1.69 | 2400 | 2920 | .97 | 985 | 23.3 | 89 | 1603 |
| | P2 = 2.24 | RAM | 1.03 | 1.85 | -.92 | -.01 | 1.03 | 1.03 | -.01 |
| | T2 = 453 | BLEED | .03 | -1.06 | 2.88 | -.43 | -1.20 | .03 | 2.05 |
| | ERI = 0 | POWER | -.60 | 16.27 | 10.95 | 2.11 | 6.99 | -.60 | 15.60 |
| 1.20 | NR = .991 | 2.41 | 4180 | 3730 | 1.01 | 1052 | 30.8 | 116 | 1681 |
| | P2 = 3.18 | RAM | 1.03 | 1.67 | -.69 | -.00 | 1.03 | 1.03 | -.00 |
| | T2 = 503 | BLEED | .08 | -.80 | 3.12 | -.34 | -1.03 | .08 | 2.27 |
| | ERI = 0 | POWER | -.88 | 12.17 | 8.03 | 1.39 | 4.88 | -.88 | 11.44 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 7.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|------|-------|-------|------|-------|
| .90 | 1.69 | 3.54 | 2813 | 1102 | 1249 | 5520 | 3110 | .90 | 545 | 15.1 |
| | RAM | 1.03 | 1.02 | -.01 | .00 | 1.36 | 1.62 | -.66 | .03 | .00 |
| | BLEED | -.39 | 1.78 | 1.07 | .00 | -.54 | -.98 | 2.79 | .03 | .00 |
| | POWER | 6.12 | 27.50 | 12.69 | .00 | 8.17 | 14.95 | 12.26 | -.60 | .00 |
| 1.20 | 2.41 | 4.75 | 3757 | 1163 | 1249 | 8050 | 3870 | .97 | 526 | 15.1 |
| | RAM | 1.03 | 1.03 | .00 | .00 | 1.29 | 1.57 | -.59 | .02 | .00 |
| | BLEED | -.25 | 2.28 | 1.25 | .00 | -.32 | -.76 | 3.08 | .08 | .00 |
| | POWER | 4.00 | 20.41 | 9.26 | .00 | 5.11 | 11.59 | 8.62 | -.88 | .00 |

CONFIDENTIAL

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.10.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

55000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-------|-------|-------|-------|--------|-------|------|-------|-------|-------|
| .90 | NR = | 1.00 | 1.69 | 1960 | 1260 | 1.16 | 863 | 15.6 | 72 | 1255 |
| | P2 = | 2.24 | RAM | 1.04 | 1.89 | -1.04 | -.01 | 1.01 | 1.04 | -.06 |
| | T2 = | 453 | BLEED | .09 | -1.37 | 3.55 | -.44 | -1.21 | .09 | 2.28 |
| | ERI = | 0 | POWER | -2.12 | 37.36 | 11.46 | 3.25 | 12.04 | -2.12 | 27.89 |
| 1.20 | NR = | .991 | 2.41 | 3220 | 1160 | 1.31 | 901 | 18.1 | 89 | 1212 |
| | P2 = | 3.18 | RAM | 1.03 | 2.90 | -2.23 | -.00 | 1.02 | 1.03 | -.02 |
| | T2 = | 503 | BLEED | .06 | -2.61 | 5.17 | -.42 | -1.35 | .06 | 2.27 |
| | ERI = | 0 | POWER | -1.14 | 45.53 | 1.63 | 2.50 | 10.98 | -1.14 | 23.93 |
| 1.50 | NR = | .971 | 3.56 | 7310 | 4730 | 1.14 | 1164 | 44.1 | 162 | 1765 |
| | P2 = | 4.71 | RAM | 1.05 | 1.83 | -.86 | -.00 | 1.05 | 1.05 | -.00 |
| | T2 = | 566 | BLEED | .10 | -4.89 | 4.00 | -.54 | -1.87 | .10 | .00 |
| | ERI = | 0 | POWER | .01 | -3.61 | 5.40 | .10 | .40 | .01 | -.02 |
| 1.80 | NR = | .945 | 5.43 | 11900 | 5730 | 1.17 | 1258 | 58.8 | 219 | 1765 |
| | P2 = | 7.18 | RAM | 1.07 | 1.71 | -.70 | -.00 | 1.07 | 1.07 | .00 |
| | T2 = | 643 | BLEED | .07 | -5.51 | 5.05 | -.55 | -1.86 | .07 | .01 |
| | ERI = | 0 | POWER | -.01 | -2.92 | 4.76 | .09 | .38 | -.01 | .02 |
| 2.00 | NR = | .925 | 7.24 | 16000 | 6340 | 1.22 | 1327 | 70.9 | 266 | 1779 |
| | P2 = | 9.57 | RAM | 1.09 | 1.70 | -.67 | -.00 | 1.09 | 1.09 | .00 |
| | T2 = | 702 | BLEED | .06 | -6.23 | 5.76 | -.52 | -1.94 | .06 | -.00 |
| | ERI = | 0 | POWER | .00 | -2.78 | 4.19 | .07 | .29 | .00 | -.01 |
| 2.30 | NR = | .893 | 11.2 | 23500 | 7480 | 1.30 | 1429 | 91.0 | 340 | 1868 |
| | P2 = | 14.78 | RAM | 1.12 | 1.74 | -.67 | -.00 | 1.13 | 1.12 | -.00 |
| | T2 = | 802 | BLEED | .40 | -6.79 | 6.16 | -.55 | -2.08 | .40 | -.00 |
| | ERI = | 0 | POWER | .46 | -1.98 | 3.04 | .05 | .22 | .46 | .01 |
| 2.50 | NR = | .870 | 14.9 | 29900 | 7940 | 1.38 | 1498 | 105.7 | 397 | 1913 |
| | P2 = | 19.69 | RAM | 1.15 | 1.91 | -.84 | -.00 | 1.15 | 1.15 | -.01 |
| | T2 = | 876 | BLEED | .63 | -5.62 | 6.31 | -.49 | -1.84 | .63 | .69 |
| | ERI = | 0 | POWER | .38 | 1.98 | 1.59 | .15 | .73 | .38 | 1.28 |
| 2.70 | NR = | .846 | 19.8 | 37500 | 6570 | 1.53 | 1550 | 114.5 | 462 | 1830 |
| | P2 = | 26.13 | RAM | 1.19 | 2.06 | -.80 | -.00 | 1.19 | 1.19 | -.01 |
| | T2 = | 955 | BLEED | .06 | -3.91 | 7.57 | -.35 | -1.40 | .06 | 1.94 |
| | ERI = | 0 | POWER | -.10 | 6.37 | .27 | .21 | 1.20 | -.10 | 2.44 |
| 3.00 | NR = | .809 | 29.9 | 49700 | 2660 | 2.70 | 1611 | 120.7 | 550 | 1659 |
| | P2 = | 39.50 | RAM | 1.24 | 3.57 | -1.99 | -.00 | 1.23 | 1.24 | -.00 |
| | T2 = | 1083 | BLEED | .02 | -12.62 | 21.80 | -.40 | -1.51 | .02 | 1.89 |
| | ERI = | 0 | POWER | -.03 | 15.23 | -5.69 | .22 | 1.20 | -.03 | 2.34 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.10.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| M0 | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|--------|-------|-------|--------|
| .90 | 1.69 | 2.57 | 1461 | 868 | 1249 | 3500 | 1540 | .95 | 444 | 6.6 |
| | RAM | .97 | .94 | -.05 | .00 | 1.46 | 2.00 | -1.18 | .04 | .00 |
| | BLEED | -.34 | 2.10 | 1.08 | .00 | -.51 | -1.28 | 3.45 | .09 | .00 |
| | POWER | 8.41 | 49.21 | 20.67 | .00 | 12.42 | 30.92 | 17.79 | -2.11 | 425.96 |
| 1.20 | 2.41 | 3.10 | 1524 | 852 | 1249 | 4620 | 1400 | 1.09 | 405 | 15.1 |
| | RAM | 1.00 | .99 | -.01 | .00 | 1.40 | 2.24 | -1.42 | .03 | .00 |
| | BLEED | -.42 | 2.36 | .98 | .00 | -.59 | -2.11 | 4.62 | .06 | .00 |
| | POWER | 7.59 | 47.23 | 16.62 | .00 | 10.30 | 36.66 | 10.18 | -1.14 | .00 |
| 1.50 | 3.56 | 6.48 | 5387 | 1237 | 1319 | 12500 | 5180 | 1.04 | 527 | 6.6 |
| | RAM | 1.05 | 1.05 | .00 | -.00 | 1.26 | 1.56 | -.56 | .02 | .00 |
| | BLEED | -2.94 | -1.18 | -.60 | 1.73 | -1.82 | -4.53 | 3.60 | .10 | .00 |
| | POWER | -6.80 | 1.73 | -.48 | 6.45 | -1.63 | -3.94 | 5.74 | .01 | .00 |
| 1.80 | 5.43 | 8.39 | 6715 | 1258 | 1389 | 17900 | 6020 | 1.12 | 500 | 6.6 |
| | RAM | 1.08 | 1.07 | .00 | -.00 | 1.26 | 1.62 | -.60 | .01 | .00 |
| | BLEED | -3.82 | -.87 | -.44 | 2.71 | -1.83 | -5.58 | 5.14 | .07 | .00 |
| | POWER | -6.55 | 1.78 | -.15 | 6.39 | -1.23 | -3.63 | 5.49 | -.01 | .00 |
| 2.00 | 7.24 | 10.22 | 7744 | 1285 | 1396 | 22600 | 6630 | 1.17 | 475 | 6.6 |
| | RAM | 1.10 | 1.09 | .00 | -.01 | 1.26 | 1.66 | -.62 | .01 | .00 |
| | BLEED | -3.44 | -1.01 | -.50 | 2.26 | -1.73 | -6.06 | 5.56 | .06 | .00 |
| | POWER | -4.82 | 1.34 | -.21 | 4.64 | -.85 | -2.90 | 4.31 | .00 | .00 |
| 2.30 | 11.2 | 14.49 | 9721 | 1367 | 1303 | 31400 | 7840 | 1.24 | 420 | 3.0 |
| | RAM | 1.13 | 1.13 | .00 | -.01 | 1.27 | 1.69 | -.61 | .00 | .00 |
| | BLEED | -2.65 | -1.25 | -.69 | 1.68 | -1.31 | -6.44 | 5.74 | .40 | .00 |
| | POWER | -2.94 | 1.02 | -.35 | 3.16 | -.09 | -1.77 | 2.83 | .46 | .00 |
| 2.50 | 14.9 | 18.04 | 10935 | 1414 | 1249 | 38300 | 8410 | 1.30 | 385 | .0 |
| | RAM | 1.15 | 1.14 | -.00 | .00 | 1.28 | 1.73 | -.64 | .00 | .00 |
| | BLEED | -1.88 | .15 | -.23 | 1.32 | -.70 | -5.43 | 6.08 | .63 | .00 |
| | POWER | -.97 | 3.59 | .69 | 1.58 | .67 | 1.71 | 1.85 | .38 | .00 |
| 2.70 | 19.8 | 20.64 | 10068 | 1381 | 1249 | 44500 | 7000 | 1.44 | 352 | .0 |
| | RAM | 1.18 | 1.18 | -.00 | -.00 | 1.31 | 1.99 | -.73 | .01 | .00 |
| | BLEED | -.49 | 3.22 | .84 | .00 | -.53 | -3.69 | 7.32 | .06 | .00 |
| | POWER | .87 | 6.66 | 1.59 | .00 | .86 | 6.01 | .61 | -.10 | .00 |
| 3.00 | 29.9 | 24.13 | 7174 | 1336 | 1249 | 52800 | 3130 | 2.29 | 296 | .0 |
| | RAM | 1.24 | 1.23 | -.00 | -.00 | 1.36 | 3.29 | -1.77 | .00 | .00 |
| | BLEED | -.58 | 5.05 | .76 | .00 | -.62 | -10.76 | 18.86 | .02 | .00 |
| | POWER | .57 | 8.79 | 1.28 | .00 | .75 | 13.00 | -3.78 | -.03 | .00 |

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CONFIDENTIAL

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC | |
|------|-----|---------|-------|--------|--------|--------|-------|--------|--------|------|
| .90 | NR | = 1.00 | 1.69 | 1940 | -310 | -2.480 | 828 | 13.2 | 72 | 866 |
| | P2 | = 2.24 | RAM | .88 | -1.57 | 1.45 | -.11 | .63 | .88 | -.43 |
| | T2 | = 453 | BLEED | -.88 | 12.00 | -10.17 | -.78 | -3.11 | -.88 | 1.13 |
| | ERI | = 100 | POWER | -15.44 | 57.20 | -54.69 | -6.58 | -20.49 | -15.44 | 6.22 |
| 1.20 | NR | = .991 | 2.41 | 3090 | -240 | -3.200 | 859 | 14.8 | 86 | 877 |
| | P2 | = 3.18 | RAM | .86 | -2.89 | 2.53 | -.10 | .63 | .86 | -.35 |
| | T2 | = 503 | BLEED | -.86 | 23.25 | -17.24 | -.83 | -3.25 | -.86 | .95 |
| | ERI | = 100 | POWER | -14.23 | 92.49 | -85.64 | -5.21 | -18.90 | -14.23 | 4.59 |
| 1.50 | NR | = .971 | 3.56 | 7320 | 3260 | 1.30 | 1149 | 41.8 | 162 | 1504 |
| | P2 | = 4.71 | RAM | 1.05 | 2.20 | -1.32 | -.01 | 1.04 | 1.05 | -.01 |
| | T2 | = 566 | BLEED | .03 | -1.71 | 4.27 | -.31 | -1.13 | .03 | 2.14 |
| | ERI | = 0 | POWER | -.06 | 11.55 | 2.21 | .60 | 3.02 | -.06 | 7.04 |
| 1.80 | NR | = .945 | 5.43 | 11900 | 4300 | 1.30 | 1247 | 56.5 | 220 | 1572 |
| | P2 | = 7.18 | RAM | 1.07 | 1.97 | -1.02 | -.00 | 1.07 | 1.07 | -.01 |
| | T2 | = 643 | BLEED | .04 | -1.98 | 4.72 | -.34 | -1.17 | .04 | 2.06 |
| | ERI | = 0 | POWER | -.05 | 8.73 | 1.93 | .47 | 2.27 | -.05 | 5.15 |
| 2.00 | NR | = .925 | 7.24 | 16000 | 4580 | 1.38 | 1315 | 67.9 | 266 | 1576 |
| | P2 | = 9.57 | RAM | 1.09 | 1.93 | -.95 | -.00 | 1.09 | 1.09 | -.01 |
| | T2 | = 702 | BLEED | .03 | -2.45 | 5.44 | -.36 | -1.22 | .03 | 2.00 |
| | ERI | = 0 | POWER | -.04 | 8.25 | 1.50 | .42 | 1.97 | -.04 | 4.42 |
| 2.30 | NR | = .893 | 11.2 | 23900 | 3870 | 1.67 | 1407 | 84.0 | 345 | 1520 |
| | P2 | = 14.78 | RAM | 1.12 | 2.24 | -1.28 | -.00 | 1.12 | 1.12 | -.01 |
| | T2 | = 802 | BLEED | .01 | -3.47 | 7.87 | -.26 | -1.21 | .01 | 2.21 |
| | ERI | = 0 | POWER | -.01 | 9.20 | -.27 | .22 | 1.54 | -.01 | 3.34 |
| 2.50 | NR | = .870 | 14.9 | 30800 | 3070 | 2.06 | 1473 | 95.7 | 409 | 1489 |
| | P2 | = 19.69 | RAM | 1.15 | 3.12 | -2.34 | -.00 | 1.15 | 1.15 | -.01 |
| | T2 | = 876 | BLEED | .01 | -6.21 | 11.88 | -.30 | -1.31 | .01 | 2.09 |
| | ERI | = 0 | POWER | -.01 | 12.22 | -2.84 | .22 | 1.41 | -.01 | 2.99 |
| 2.70 | NR | = .846 | 19.8 | 38000 | 1270 | 4.19 | 1524 | 103.6 | 468 | 1417 |
| | P2 | = 26.13 | RAM | 1.19 | 5.92 | -3.67 | -.00 | 1.19 | 1.19 | -.01 |
| | T2 | = 955 | BLEED | .02 | -18.23 | 33.48 | -.32 | -1.37 | .02 | 2.04 |
| | ERI | = 0 | POWER | -.01 | 28.74 | -14.61 | .20 | 1.34 | -.01 | 2.81 |

CONFIDENTIAL

CEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 55000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|--------|-------|-------|------|--------|---------|---------|--------|-------|
| .90 | 1.69 | 1.33 | 780 | 672 | 2400 | 1740 | -200 | -3.950 | 439 | 6.6 |
| | RAM | .35 | .00 | -.30 | .00 | 1.31 | -2.93 | 2.56 | -.13 | .00 |
| | BLEED | -.84 | .00 | .09 | .00 | -3.28 | 20.19 | -15.50 | -.88 | .00 |
| | POWER | -7.06 | -.00 | -.86 | .00 | -28.63 | 100.77 | -93.2 | -15.44 | .00 |
| 1.20 | 2.41 | 1.96 | 780 | 685 | 1690 | 3150 | 60 | 12.88 | 389 | 6.6 |
| | RAM | .63 | .00 | -.24 | .00 | 1.18 | 17.56 | -143.92 | -.16 | .00 |
| | BLEED | -1.62 | .00 | .00 | .00 | -2.92 | -108.18 | -173.73 | -.86 | .00 |
| | POWER | -13.03 | .00 | -1.03 | .00 | -23.35 | -489.26 | 848.4 | -14.23 | .00 |
| 1.50 | 3.56 | 4.70 | 4228 | 1097 | 1690 | 10900 | 3580 | 1.18 | 528 | 6.6 |
| | RAM | 1.04 | 1.02 | -.01 | .00 | 1.31 | 1.85 | -.91 | .02 | .00 |
| | BLEED | -.36 | 2.45 | 1.12 | .00 | -.47 | -1.50 | 4.04 | .03 | .00 |
| | POWER | 2.55 | 13.84 | 4.98 | .00 | 3.27 | 10.10 | 3.63 | -.06 | .00 |
| 1.80 | 5.43 | 6.55 | 5593 | 1159 | 1690 | 16400 | 4470 | 1.25 | 501 | 6.6 |
| | RAM | 1.07 | 1.05 | -.00 | .00 | 1.28 | 1.84 | -.87 | .01 | .00 |
| | BLEED | -.42 | 2.60 | 1.05 | .00 | -.49 | -1.89 | 4.61 | .04 | .00 |
| | POWER | 1.60 | 10.73 | 3.55 | .00 | 2.23 | 8.32 | 2.33 | -.05 | .00 |
| 2.00 | 7.24 | 8.00 | 6305 | 1180 | 1690 | 20800 | 4770 | 1.32 | 475 | 6.6 |
| | RAM | 1.09 | 1.07 | -.00 | .00 | 1.28 | 1.91 | -.93 | .01 | .00 |
| | BLEED | -.44 | 2.78 | .98 | .00 | -.53 | -2.38 | 5.35 | .03 | .00 |
| | POWER | 1.57 | 9.82 | 2.97 | .00 | 1.84 | 8.16 | 1.58 | -.04 | .00 |
| 2.30 | 11.2 | 10.36 | 6456 | 1178 | 1690 | 28100 | 4160 | 1.55 | 427 | 3.0 |
| | RAM | 1.12 | 1.10 | -.00 | .00 | 1.29 | 2.24 | -1.28 | .01 | .00 |
| | BLEED | -.40 | 3.99 | 1.06 | .00 | -.48 | -3.31 | 7.68 | .01 | .00 |
| | POWER | 1.11 | 8.91 | 2.09 | .00 | 1.29 | 8.78 | .12 | -.01 | .00 |
| 2.50 | 14.9 | 12.28 | 6339 | 1185 | 1690 | 34100 | 3360 | 1.89 | 396 | .0 |
| | RAM | 1.15 | 1.14 | -.00 | .00 | 1.31 | 2.71 | -1.82 | .01 | .00 |
| | BLEED | -.48 | 4.57 | .95 | .00 | -.54 | -5.61 | 11.12 | .01 | .00 |
| | POWER | .95 | 9.11 | 1.77 | .00 | 1.08 | 11.05 | -1.79 | -.01 | .00 |
| 2.70 | 19.8 | 14.02 | 5334 | 1180 | 1690 | 39600 | 1590 | 3.36 | 357 | .0 |
| | RAM | 1.18 | 1.17 | -.00 | -.00 | 1.34 | 4.99 | -3.06 | .01 | .00 |
| | BLEED | -.51 | 6.09 | .88 | .00 | -.57 | -14.72 | 26.71 | .02 | .00 |
| | POWER | .81 | 10.66 | 1.52 | .00 | .92 | 23.21 | -10.53 | -.01 | .00 |

GEI 04210

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|-------|------|-------|------|------|
| 1.50 | NR = .971 | 3.57 | 7000 | 11100 | 2.24 | 1237 | 39.7 | 148 | 1765 |
| | P2 = 4.72 | RAM | 1.05 | 1.47 | -.68 | -.00 | 1.05 | 1.05 | .00 |
| | T2 = 624 | BLEED | .08 | -7.36 | -.43 | -.54 | -1.85 | .08 | .01 |
| | ERI = 19 | POWER | -.02 | -18.12 | -6.32 | .13 | .54 | -.02 | -.02 |
| 2.00 | NR = .925 | 7.25 | 14700 | 18500 | 2.22 | 1402 | 62.0 | 232 | 1842 |
| | P2 = 9.59 | RAM | 1.09 | 1.37 | -.38 | -.00 | 1.09 | 1.09 | -.00 |
| | T2 = 774 | BLEED | .37 | -4.37 | .34 | -.54 | -2.06 | .37 | .00 |
| | ERI = 1 | POWER | .61 | -5.11 | -1.51 | .07 | .31 | .61 | .00 |
| 2.50 | NR = .870 | 14.9 | 25900 | 25000 | 2.08 | 1564 | 87.1 | 327 | 1979 |
| | P2 = 19.74 | RAM | 1.15 | 1.37 | -.27 | -.00 | 1.16 | 1.15 | .00 |
| | T2 = 963 | BLEED | 1.72 | -1.73 | 2.89 | -.51 | -2.16 | 1.72 | .01 |
| | ERI = 1 | POWER | 1.92 | .18 | 2.19 | .04 | .19 | 1.92 | .00 |
| 2.80 | NR = .834 | 22.8 | 35700 | 28800 | 2.10 | 1647 | 98.6 | 403 | 2042 |
| | P2 = 30.14 | RAM | 1.20 | 1.41 | -.20 | -.00 | 1.21 | 1.20 | .00 |
| | T2 = 1095 | BLEED | .41 | -2.43 | 2.23 | -.54 | -2.33 | .41 | .01 |
| | ERI = 1 | POWER | .34 | -.25 | .92 | .02 | .12 | .34 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | AB | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|--------|--------|------|--------|--------|-------|------|-------|
| 1.50 | 3.57 | 5.32 | 24879 | 3092 | 2402 | 18300 | 11300 | 2.21 | 504 | 3.0 |
| | RAM | 1.05 | .84 | .02 | .00 | 1.31 | 1.47 | -.68 | .02 | .00 |
| | BLEED | -3.60 | -7.75 | -4.56 | -.04 | -4.50 | -7.34 | -.46 | .08 | .00 |
| | POWER | -8.89 | -24.10 | -14.84 | -.17 | -11.15 | -18.07 | -6.37 | -.02 | .00 |
| 2.00 | 7.25 | 8.96 | 41017 | 3400 | 2367 | 33800 | 19100 | 2.15 | 434 | .0 |
| | RAM | 1.10 | 1.01 | .00 | -.01 | 1.28 | 1.42 | -.44 | .01 | .00 |
| | BLEED | -2.84 | -4.05 | -1.92 | .97 | -2.34 | -4.43 | .40 | .37 | .00 |
| | POWER | -4.79 | -6.58 | -3.76 | 2.85 | -2.66 | -5.17 | -1.45 | .61 | .00 |
| 2.50 | 14.9 | 16.26 | 51983 | 3400 | 1850 | 51800 | 25900 | 2.01 | 332 | .0 |
| | RAM | 1.16 | 1.12 | .00 | -.02 | 1.29 | 1.44 | -.34 | -.00 | .00 |
| | BLEED | -2.92 | 1.09 | .00 | 3.65 | .32 | -1.07 | 2.20 | 1.72 | .00 |
| | POWER | -3.14 | 2.37 | .00 | 4.99 | 1.53 | 1.14 | 1.23 | 1.92 | .00 |
| 2.80 | 22.8 | 22.07 | 60648 | 3400 | 1682 | 66000 | 30300 | 2.00 | 286 | .0 |
| | RAM | 1.21 | 1.20 | -.00 | -.01 | 1.34 | 1.50 | -.28 | .00 | .00 |
| | BLEED | -2.68 | -.29 | .00 | 2.10 | -.89 | -2.41 | 2.20 | .41 | .00 |
| | POWER | -2.41 | .67 | .00 | 2.69 | .09 | -.21 | .89 | .34 | .00 |

GEI 84219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| 1.50 | NR = .971 | 3.57 | 7000 | 10300 | 2.11 | 1237 | 39.7 | 148 | 1765 |
| | P2 = 4.72 | RAM | 1.05 | 1.52 | -.65 | -.00 | 1.05 | 1.05 | .00 |
| | T2 = 624 | BLEED | .08 | -3.87 | 2.62 | -.54 | -1.85 | .08 | .01 |
| | ERI = 19 | POWER | -.02 | -4.21 | 5.13 | .13 | .54 | -.02 | -.02 |
| 2.00 | NR = .925 | 7.25 | 14700 | 16000 | 2.00 | 1402 | 62.0 | 232 | 1842 |
| | P2 = 9.59 | RAM | 1.09 | 1.39 | -.42 | -.00 | 1.09 | 1.09 | -.00 |
| | T2 = 774 | BLEED | .37 | -3.54 | 1.95 | -.54 | -2.06 | .37 | .00 |
| | ERI = 0 | POWER | .61 | -1.78 | 2.32 | .07 | .31 | .61 | .00 |
| 2.50 | NR = .870 | 14.9 | 25900 | 22100 | 1.95 | 1564 | 87.1 | 327 | 1979 |
| | P2 = 19.74 | RAM | 1.15 | 1.36 | -.30 | -.00 | 1.16 | 1.15 | .00 |
| | T2 = 963 | BLEED | 1.72 | -3.29 | 1.55 | -.51 | -2.16 | 1.72 | .01 |
| | ERI = 0 | POWER | 1.92 | -.31 | .72 | .04 | .19 | 1.92 | .00 |
| 2.80 | NR = .834 | 22.8 | 35700 | 24200 | 1.97 | 1647 | 98.6 | 403 | 2042 |
| | P2 = 30.14 | RAM | 1.20 | 1.38 | -.23 | -.00 | 1.21 | 1.20 | .00 |
| | T2 = 1095 | BLEED | .41 | -4.02 | 2.18 | -.54 | -2.33 | .41 | .01 |
| | ERI = 0 | POWER | .34 | -.60 | .95 | .02 | .12 | .34 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|--------|-------|-------|------|-------|-------|------|------|-------|
| 1.50 | 3.57 | 5.37 | 21819 | 2871 | 2281 | 17500 | 10500 | 2.08 | 504 | 3.0 |
| | RAM | 1.05 | .91 | .04 | .01 | 1.32 | 1.49 | -.63 | .02 | .00 |
| | BLEED | -4.03 | -1.41 | -.95 | 2.65 | -2.44 | -4.12 | 2.89 | .08 | .00 |
| | POWER | -10.54 | .86 | -1.02 | 9.93 | -3.14 | -5.21 | 6.17 | -.02 | .00 |
| 2.00 | 7.25 | 9.10 | 31900 | 2968 | 2151 | 31100 | 16500 | 1.94 | 434 | .0 |
| | RAM | 1.10 | .99 | -.02 | -.03 | 1.26 | 1.42 | -.46 | .01 | .00 |
| | BLEED | -2.90 | -1.69 | -.93 | 1.74 | -1.67 | -3.48 | 1.89 | .37 | .00 |
| | POWER | -5.02 | .52 | -.52 | 5.21 | -.55 | -1.59 | 2.13 | .61 | .00 |
| 2.50 | 14.9 | 16.37 | 42960 | 3068 | 1729 | 48600 | 22800 | 1.89 | 332 | .0 |
| | RAM | 1.16 | 1.08 | -.02 | -.03 | 1.28 | 1.43 | -.37 | -.00 | .00 |
| | BLEED | -2.76 | -1.82 | -1.59 | 2.51 | -.62 | -3.28 | 1.54 | 1.72 | .00 |
| | POWER | -3.00 | .41 | -1.08 | 4.18 | .89 | -.28 | .69 | 1.92 | .00 |
| 2.80 | 22.8 | 22.22 | 47512 | 2995 | 1551 | 61100 | 25400 | 1.87 | 286 | .0 |
| | RAM | 1.21 | 1.14 | -.03 | -.03 | 1.32 | 1.48 | -.32 | .00 | .00 |
| | BLEED | -2.61 | -1.98 | -.90 | 1.49 | -1.41 | -3.97 | 2.12 | .41 | .00 |
| | POWER | -2.36 | .35 | -.19 | 2.52 | -.02 | -.53 | .88 | .34 | .00 |

CONFIDENTIAL

GEI 84219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| 1.50 | NR = .971 | 3.57 | 7000 | 8270 | 1.80 | 1237 | 39.7 | 148 | 1765 |
| | P2 = 4.72 | RAM | 1.05 | 1.54 | -.64 | -.00 | 1.05 | 1.05 | .00 |
| | T2 = 624 | BLEED | .08 | -4.30 | 3.12 | -.54 | -1.85 | .08 | .01 |
| | ERI = 19 | POWER | -.02 | -4.73 | 5.88 | .13 | .54 | -.02 | -.02 |
| 2.00 | NR = .925 | 7.25 | 14700 | 12500 | 1.75 | 1402 | 62.0 | 232 | 1842 |
| | P2 = 9.59 | RAM | 1.09 | 1.50 | -.52 | -.00 | 1.09 | 1.09 | -.00 |
| | T2 = 774 | BLEED | .37 | -3.94 | 2.43 | -.54 | -2.06 | .37 | .00 |
| | ERI = 0 | POWER | .61 | -1.52 | 2.17 | .07 | .31 | .61 | .00 |
| 2.50 | NR = .870 | 14.9 | 25900 | 16900 | 1.74 | 1564 | 87.1 | 327 | 1979 |
| | P2 = 19.74 | RAM | 1.15 | 1.51 | -.44 | -.00 | 1.16 | 1.15 | .00 |
| | T2 = 963 | BLEED | 1.72 | -4.04 | 2.42 | -.51 | -2.16 | 1.72 | .01 |
| | ERI = 0 | POWER | 1.92 | -.54 | 1.07 | .04 | .19 | 1.92 | .00 |
| 2.80 | NR = .834 | 22.8 | 35700 | 18200 | 1.78 | 1647 | 98.6 | 403 | 2042 |
| | P2 = 30.14 | RAM | 1.20 | 1.51 | -.33 | -.00 | 1.21 | 1.20 | .00 |
| | T2 = 1095 | BLEED | .41 | -4.78 | 3.08 | -.54 | -2.33 | .41 | .01 |
| | ERI = 0 | POWER | .34 | -.61 | 1.07 | .02 | .12 | .34 | .00 |

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CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|--------|-------|-------|------|-------|-------|------|------|-------|
| 1.50 | 3.57 | 5.49 | 14888 | 2287 | 1963 | 15400 | 8420 | 1.77 | 504 | 6.6 |
| | RAM | 1.05 | .95 | .04 | .02 | 1.31 | 1.53 | -.63 | .02 | .00 |
| | BLEED | -3.91 | -1.38 | -.89 | 2.56 | -2.34 | -4.35 | 3.18 | .08 | .00 |
| | POWER | -10.07 | 1.07 | -.87 | 9.53 | -2.88 | -5.25 | 6.42 | -.02 | .00 |
| 2.00 | 7.25 | 9.28 | 21892 | 2386 | 1866 | 27500 | 12800 | 1.71 | 434 | .0 |
| | RAM | 1.10 | 1.02 | -.01 | -.01 | 1.27 | 1.47 | -.48 | .01 | .00 |
| | BLEED | -2.83 | -1.66 | -.93 | 1.70 | -1.63 | -3.93 | 2.41 | .37 | .00 |
| | POWER | -4.80 | .64 | -.54 | 5.05 | -.50 | -1.76 | 2.42 | .61 | .00 |
| 2.50 | 14.9 | 16.56 | 29495 | 2503 | 1524 | 43100 | 17300 | 1.71 | 332 | .0 |
| | RAM | 1.16 | 1.10 | -.01 | -.02 | 1.28 | 1.48 | -.41 | -.00 | .00 |
| | BLEED | -2.71 | -1.77 | -1.56 | 2.49 | -.56 | -3.97 | 2.35 | 1.72 | .00 |
| | POWER | -2.90 | .52 | -1.06 | 4.10 | .94 | -.52 | 1.04 | 1.92 | .00 |
| 2.80 | 22.8 | 22.42 | 32448 | 2470 | 1379 | 54400 | 18800 | 1.73 | 286 | .0 |
| | RAM | 1.21 | 1.16 | -.02 | -.02 | 1.32 | 1.54 | -.36 | .00 | .00 |
| | BLEED | -2.58 | -1.92 | -.88 | 1.49 | -1.37 | -4.76 | 3.06 | .41 | .00 |
| | POWER | -2.32 | .46 | -.19 | 2.49 | -.01 | -.67 | 1.13 | .34 | .00 |

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CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| 1.50 | NR = .971 | 3.57 | 7000 | 6420 | 1.57 | 1237 | 39.7 | 148 | 1765 |
| | P2 = 4.72 | RAM | 1.05 | 1.36 | -.94 | -.00 | 1.05 | 1.05 | .00 |
| | T2 = 624 | BLEED | .08 | -4.09 | 3.91 | -.54 | -1.85 | .08 | .01 |
| | ERI = 19 | POWER | -.02 | -5.09 | 6.29 | .13 | .54 | -.02 | -.02 |
| 2.00 | NR = .925 | 7.25 | 14700 | 8030 | 1.52 | 1402 | 62.0 | 232 | 1842 |
| | P2 = 9.59 | RAM | 1.09 | 1.19 | -.63 | -.00 | 1.09 | 1.09 | -.00 |
| | T2 = 774 | BLEED | .37 | -4.14 | 3.71 | -.54 | -2.06 | .37 | .00 |
| | ERI = 0 | POWER | .61 | -1.99 | 2.82 | .07 | .31 | .61 | .00 |
| 2.50 | NR = .870 | 14.9 | 25900 | 9940 | 1.61 | 1564 | 87.1 | 327 | 1979 |
| | P2 = 19.74 | RAM | 1.15 | 1.66 | -.54 | -.00 | 1.16 | 1.15 | .00 |
| | T2 = 963 | BLEED | 1.72 | -5.72 | 4.47 | -.51 | -2.16 | 1.72 | .01 |
| | ERI = 0 | POWER | 1.92 | -.67 | 1.50 | .04 | .19 | 1.92 | .00 |
| 2.80 | NR = .834 | 22.8 | 35700 | 10200 | 1.71 | 1647 | 98.6 | 403 | 2042 |
| | P2 = 30.14 | RAM | 1.20 | 1.86 | -.59 | -.00 | 1.21 | 1.20 | .00 |
| | T2 = 1095 | BLEED | .41 | -7.21 | 6.10 | -.54 | -2.33 | .41 | .01 |
| | ERI = 0 | POWER | .34 | -.94 | 1.72 | .02 | .12 | .34 | .00 |

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CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| 1.50 | 3.57 | 5.58 | 10112 | 1829 | 1711 | 13600 | 6640 | 1.52 | 504 | 6.6 |
| | RAM | 1.07 | .48 | -.25 | -.16 | 1.16 | 1.28 | -.85 | .02 | .00 |
| | BLEED | -3.87 | -.42 | -.28 | 2.85 | -1.98 | -4.14 | 3.97 | .08 | .00 |
| | POWER | -9.75 | 1.10 | -.85 | 9.17 | -2.74 | -5.60 | 6.82 | -.02 | .00 |
| 2.00 | 7.25 | 9.47 | 12164 | 1729 | 1540 | 23000 | 8300 | 1.47 | 434 | 6.6 |
| | RAM | 1.11 | .60 | -.25 | -.15 | 1.14 | 1.22 | -.67 | .01 | .00 |
| | BLEED | -2.79 | -.66 | -.40 | 1.94 | -1.30 | -4.27 | 3.85 | .37 | .00 |
| | POWER | -4.60 | .80 | -.60 | 4.77 | -.47 | -2.37 | 3.21 | .61 | .00 |
| 2.50 | 14.9 | 16.78 | 16030 | 1847 | 1277 | 36300 | 10400 | 1.54 | 332 | .0 |
| | RAM | 1.16 | 1.16 | .02 | -.01 | 1.29 | 1.65 | -.53 | -.00 | .00 |
| | BLEED | -2.65 | -1.63 | -1.37 | 2.58 | -.41 | -5.69 | 4.44 | 1.72 | .00 |
| | POWER | -2.80 | .82 | -.93 | 4.12 | 1.06 | -1.06 | 1.90 | 1.92 | .00 |
| 2.80 | 22.8 | 22.64 | 17383 | 1863 | 1174 | 46300 | 10600 | 1.64 | 286 | .0 |
| | RAM | 1.21 | 1.21 | .00 | -.01 | 1.33 | 1.76 | -.51 | .00 | .00 |
| | BLEED | -2.56 | -1.77 | -.79 | 1.52 | -1.29 | -7.01 | 5.86 | .41 | .00 |
| | POWER | -2.27 | .76 | -.18 | 2.44 | .02 | -1.07 | 1.85 | .34 | .00 |

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CONFIDENTIAL

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

| M0 | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|-------|------|-------|------|------|
| 1.50 | NR = .971 | 3.57 | 7000 | 3650 | 1.26 | 1237 | 39.7 | 148 | 1765 |
| | P2 = 4.72 | RAM | 1.05 | 2.14 | -1.21 | -.00 | 1.05 | 1.05 | .00 |
| | T2 = 624 | BLEED | .08 | -6.12 | 5.72 | -.54 | -1.85 | .08 | .01 |
| | ERI = 0 | POWER | -.02 | -5.73 | 8.28 | .13 | .54 | -.02 | -.02 |
| 2.00 | NR = .925 | 7.25 | 14700 | 5050 | 1.32 | 1402 | 62.0 | 232 | 1842 |
| | P2 = 9.59 | RAM | 1.09 | 1.90 | -.90 | -.00 | 1.09 | 1.09 | -.00 |
| | T2 = 774 | BLEED | .37 | -6.83 | 6.26 | -.54 | -2.06 | .37 | .00 |
| | ERI = 0 | POWER | .61 | -3.38 | 4.92 | .07 | .31 | .61 | .00 |
| 2.50 | NR = .870 | 14.9 | 25900 | 5650 | 1.54 | 1564 | 87.1 | 327 | 1979 |
| | P2 = 19.74 | RAM | 1.15 | 1.92 | -.84 | -.00 | 1.16 | 1.15 | .00 |
| | T2 = 963 | BLEED | 1.72 | -8.46 | 8.35 | -.51 | -2.16 | 1.72 | .01 |
| | ERI = 0 | POWER | 1.92 | -1.59 | 2.97 | .04 | .19 | 1.92 | .00 |
| 2.80 | NR = .834 | 22.8 | 35700 | 5190 | 1.75 | 1647 | 98.6 | 403 | 2042 |
| | P2 = 30.14 | RAM | 1.20 | 2.43 | -1.09 | -.00 | 1.21 | 1.20 | .00 |
| | T2 = 1095 | BLEED | .41 | -12.06 | 13.19 | -.54 | -2.33 | .41 | .01 |
| | ERI = 0 | POWER | .34 | -2.40 | 3.81 | .02 | .12 | .34 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|--------|-------|------|-------|
| 1.50 | 3.57 | 5.69 | 4612 | 1252 | 1374 | 11100 | 4140 | 1.12 | 504 | 6.6 |
| | RAM | 1.05 | 1.06 | .00 | .00 | 1.29 | 1.68 | -.68 | .02 | .00 |
| | BLEED | -3.75 | -.92 | -.46 | 2.62 | -2.02 | -5.57 | 5.07 | .08 | .00 |
| | POWER | -9.41 | 2.41 | -.30 | 9.12 | -2.30 | -6.16 | 8.74 | -.02 | .00 |
| 2.00 | 7.25 | 9.58 | 6664 | 1343 | 1332 | 20000 | 5340 | 1.25 | 434 | 6.6 |
| | RAM | 1.10 | 1.09 | .00 | -.01 | 1.26 | 1.74 | -.71 | .01 | .00 |
| | BLEED | -2.74 | -1.21 | -.68 | 1.75 | -1.43 | -6.40 | 5.74 | .37 | .00 |
| | POWER | -4.49 | 1.46 | -.51 | 4.74 | -.38 | -3.09 | 4.62 | .61 | .00 |
| 2.50 | 14.9 | 16.90 | 8704 | 1478 | 1127 | 32000 | 6180 | 1.41 | 332 | 3.0 |
| | RAM | 1.16 | 1.16 | .01 | -.01 | 1.28 | 1.85 | -.76 | -.00 | .00 |
| | BLEED | -2.62 | -1.17 | -1.00 | 2.75 | -.17 | -8.09 | 7.87 | 1.72 | .00 |
| | POWER | -2.75 | 1.36 | -.72 | 4.15 | 1.20 | -1.80 | 3.20 | 1.92 | .00 |
| 2.80 | 22.8 | 22.77 | 9082 | 1526 | 1050 | 41400 | 5710 | 1.59 | 286 | .0 |
| | RAM | 1.21 | 1.21 | .00 | -.01 | 1.33 | 2.12 | -.82 | .00 | .00 |
| | BLEED | -2.54 | -1.26 | -.53 | 1.66 | -1.14 | -10.81 | 11.40 | .41 | .00 |
| | POWER | -2.24 | 1.34 | -.16 | 2.43 | .04 | -1.85 | 3.24 | .34 | .00 |

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CONFIDENTIAL

GEI 84219

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 9.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

| MO | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|--------|------|-------|------|------|
| 1.50 | NR = .971 | 3.57 | 7000 | 3650 | 1.26 | 1237 | 39.7 | 148 | 1765 |
| | P2 = 4.72 | RAM | 1.05 | 2.14 | -1.21 | -.00 | 1.05 | 1.05 | .00 |
| | T2 = 624 | BLEED | .08 | -6.12 | 5.72 | -.54 | -1.85 | .08 | .01 |
| | ERI = 0 | POWER | -.02 | -5.73 | 8.28 | .13 | .54 | -.02 | -.02 |
| 2.00 | NR = .925 | 7.25 | 14700 | 5050 | 1.32 | 1402 | 62.0 | 232 | 1842 |
| | P2 = 9.59 | RAM | 1.09 | 1.90 | -.90 | -.00 | 1.09 | 1.09 | -.00 |
| | T2 = 774 | BLEED | .37 | -6.83 | 6.26 | -.54 | -2.06 | .37 | .00 |
| | ERI = 0 | POWER | .61 | -3.39 | 4.92 | .07 | .31 | .61 | .00 |
| 2.50 | NR = .870 | 14.9 | 27000 | 4360 | 1.66 | 1554 | 84.0 | 342 | 1819 |
| | P2 = 19.74 | RAM | 1.15 | 2.19 | -1.19 | -.00 | 1.15 | 1.15 | -.01 |
| | T2 = 963 | BLEED | .06 | -4.22 | 8.05 | -.36 | -1.41 | .06 | 1.95 |
| | ERI = 0 | POWER | -.12 | 9.16 | .04 | .29 | 1.66 | -.12 | 3.32 |
| 2.80 | NR = .834 | 22.8 | 36500 | 1490 | 3.49 | 1619 | 89.8 | 412 | 1656 |
| | P2 = 30.14 | RAM | 1.20 | 5.39 | -3.31 | -.00 | 1.21 | 1.20 | -.01 |
| | T2 = 1095 | BLEED | .02 | -16.70 | 29.31 | -.41 | -1.51 | .02 | 1.91 |
| | ERI = 0 | POWER | -.02 | 27.20 | -12.76 | .29 | 1.63 | -.02 | 3.21 |

CONFIDENTIAL

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GEI 64219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|--------|-------|------|-------|
| 1.50 | 3.57 | 5.69 | 4612 | 1252 | 1374 | 11100 | 4140 | 1.12 | 504 | 6.6 |
| | RAM | 1.05 | 1.05 | .00 | .00 | 1.29 | 1.68 | -.68 | .02 | .00 |
| | BLEED | -3.75 | -.92 | -.46 | 2.62 | -2.02 | -5.57 | 5.07 | .08 | .00 |
| | POWER | -9.41 | 2.42 | -.30 | 9.12 | -2.30 | -6.16 | 8.74 | -.02 | .00 |
| 2.00 | 7.25 | 9.58 | 6664 | 1343 | 1332 | 20000 | 5340 | 1.25 | 434 | 6.6 |
| | RAM | 1.10 | 1.09 | .00 | -.01 | 1.26 | 1.74 | -.71 | .01 | .00 |
| | BLEED | -2.74 | -1.21 | -.68 | 1.75 | -1.43 | -6.40 | 5.74 | .37 | .00 |
| | POWER | -4.49 | 1.46 | -.51 | 4.74 | -.38 | -3.09 | 4.62 | .61 | .00 |
| 2.50 | 14.9 | 15.27 | 7225 | 1376 | 1249 | 31800 | 4780 | 1.51 | 347 | 3.0 |
| | RAM | 1.15 | 1.13 | -.00 | .00 | 1.29 | 2.07 | -1.04 | .01 | .00 |
| | BLEED | -.49 | 3.32 | .83 | .00 | -.54 | -3.94 | 7.72 | .06 | .00 |
| | POWER | 1.05 | 9.21 | 2.13 | .00 | 1.18 | 8.56 | .61 | -.12 | .00 |
| 2.80 | 22.8 | 18.08 | 5203 | 1340 | 1249 | 38400 | 1960 | 2.66 | 292 | .0 |
| | RAM | 1.20 | 1.19 | -.00 | -.00 | 1.34 | 3.88 | -2.25 | .01 | .00 |
| | BLEED | -.52 | 5.27 | .76 | .00 | -.62 | -12.67 | 22.16 | .02 | .00 |
| | POWER | .93 | 12.22 | 1.71 | .00 | 1.03 | 20.61 | -7.41 | -.02 | .00 |

GEI 84219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|--------|------|-------|------|------|
| 1.50 | NR = .971 | 3.57 | 7000 | 2890 | 1.39 | 1227 | 38.5 | 148 | 1611 |
| | P2 = 4.72 | RAM | 1.05 | 2.41 | -1.56 | -.00 | 1.05 | 1.05 | -.01 |
| | T2 = 624 | BLEED | .04 | -1.91 | 4.51 | -.33 | -1.15 | .04 | 2.11 |
| | ERI = 0 | POWER | -.10 | 13.75 | 1.62 | .75 | 3.36 | -.10 | 7.77 |
| 2.00 | NR = .925 | 7.25 | 14800 | 3330 | 1.52 | 1385 | 58.6 | 235 | 1591 |
| | P2 = 9.59 | RAM | 1.09 | 2.25 | -1.34 | -.00 | 1.09 | 1.09 | -.01 |
| | T2 = 774 | BLEED | .02 | -2.68 | 6.46 | -.26 | -1.18 | .02 | 2.22 |
| | ERI = 0 | POWER | -.02 | 11.75 | .55 | .50 | 2.38 | -.02 | 5.12 |
| 2.50 | NR = .870 | 14.9 | 27400 | 1050 | 4.03 | 1531 | 77.1 | 347 | 1468 |
| | P2 = 19.74 | RAM | 1.15 | 5.30 | -5.69 | -.00 | 1.15 | 1.15 | -.01 |
| | T2 = 963 | BLEED | .02 | -16.05 | 28.68 | -.32 | -1.38 | .02 | 2.05 |
| | ERI = 0 | POWER | -.01 | 33.59 | -16.75 | .27 | 1.78 | -.01 | 3.69 |
| 2.80 | NR = .834 | 22.8 | 36500 | -2020 | -1.060 | 1592 | 81.8 | 412 | 1316 |
| | P2 = 30.14 | RAM | 1.20 | -1.80 | 3.28 | -.00 | 1.21 | 1.20 | -.00 |
| | T2 = 1095 | BLEED | .02 | 12.15 | -.12 | -.38 | -1.56 | .02 | 1.77 |
| | ERI = 0 | POWER | -.01 | -17.88 | 49.97 | .35 | 1.95 | -.01 | 3.69 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 55000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|--------|--------|------|-------|
| 1.50 | 3.57 | 4.73 | 4006 | 1172 | 1587 | 10300 | 3280 | 1.22 | 505 | 6.6 |
| | RAM | 1.05 | 1.04 | -.01 | .00 | 1.32 | 1.88 | -.93 | .02 | .00 |
| | BLEED | -.38 | 2.47 | 1.09 | .00 | -.48 | -1.59 | 4.16 | .04 | .00 |
| | POWER | 2.86 | 15.44 | 5.46 | .00 | 3.56 | 11.37 | 3.94 | -.10 | .00 |
| 2.00 | 7.25 | 7.60 | 5044 | 1204 | 1587 | 18300 | 3500 | 1.44 | 439 | 6.6 |
| | RAM | 1.09 | 1.06 | -.00 | .00 | 1.29 | 2.11 | -1.17 | .01 | .00 |
| | BLEED | -.39 | 3.52 | 1.09 | .00 | -.47 | -2.54 | 6.30 | .02 | .00 |
| | POWER | 1.77 | 12.33 | 3.33 | .00 | 2.10 | 11.11 | 1.16 | -.02 | .00 |
| 2.50 | 14.9 | 11.21 | 4246 | 1205 | 1587 | 28800 | 1390 | 3.05 | 352 | 3.0 |
| | RAM | 1.15 | 1.11 | -.00 | .00 | 1.32 | 4.50 | -4.38 | .01 | .00 |
| | BLEED | -.51 | 5.73 | .88 | .00 | -.58 | -12.38 | 22.24 | .02 | .00 |
| | POWER | 1.09 | 13.43 | 2.02 | .00 | 1.24 | 25.92 | -10.79 | -.01 | .00 |
| 2.80 | 22.8 | 13.26 | 2142 | 1196 | 1587 | 34800 | -1680 | -1.280 | 292 | .0 |
| | RAM | 1.20 | 1.18 | -.00 | -.00 | 1.36 | -2.12 | 3.70 | .01 | .00 |
| | BLEED | -.60 | 12.01 | .69 | .00 | -.68 | 14.65 | -2.16 | .02 | .00 |
| | POWER | .89 | 26.67 | 1.68 | .00 | 1.02 | -21.55 | 55.47 | -.01 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

65000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|-------|------|-------|------|------|
| 2.00 | NR = .925 | 7.24 | 9840 | 12300 | 2.10 | 1329 | 43.6 | 163 | 1779 |
| | P2 = 5.92 | RAM | 1.10 | 1.37 | -.45 | -.00 | 1.10 | 1.10 | .00 |
| | T2 = 702 | BLEED | .05 | -7.17 | -.22 | -.52 | -1.95 | .05 | -.00 |
| | ERI = 1 | POWER | .01 | -16.36 | -5.40 | .11 | .50 | .01 | -.02 |
| 2.30 | NR = .893 | 11.2 | 14500 | 17000 | 2.16 | 1430 | 56.0 | 210 | 1867 |
| | P2 = 9.14 | RAM | 1.13 | 1.32 | -.36 | -.00 | 1.13 | 1.13 | -.00 |
| | T2 = 802 | BLEED | .38 | -2.26 | 2.53 | -.55 | -2.09 | .38 | .00 |
| | ERI = 1 | POWER | .71 | -1.03 | 3.03 | .08 | .35 | .71 | .03 |
| 2.50 | NR = .870 | 14.9 | 18400 | 19300 | 2.11 | 1501 | 65.4 | 244 | 1933 |
| | P2 = 12.18 | RAM | 1.15 | 1.33 | -.23 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = 876 | BLEED | .95 | -2.06 | 2.57 | -.53 | -2.12 | .95 | .00 |
| | ERI = 1 | POWER | 1.67 | -.30 | 2.71 | .07 | .34 | 1.67 | .01 |
| 2.70 | NR = .846 | 19.8 | 22200 | 21200 | 2.06 | 1560 | 72.8 | 273 | 1975 |
| | P2 = 16.16 | RAM | 1.18 | 1.36 | -.21 | -.00 | 1.19 | 1.18 | -.00 |
| | T2 = 955 | BLEED | 1.73 | -1.85 | 3.06 | -.50 | -2.16 | 1.73 | .00 |
| | ERI = 1 | POWER | 2.31 | .00 | 2.87 | .05 | .23 | 2.31 | .00 |
| 3.00 | NR = .809 | 29.9 | 30000 | 24100 | 2.08 | 1639 | 81.7 | 332 | 2042 |
| | P2 = 24.43 | RAM | 1.24 | 1.39 | -.15 | -.00 | 1.25 | 1.24 | -.00 |
| | T2 = 1083 | BLEED | .41 | -2.33 | 2.09 | -.55 | -2.32 | .41 | .00 |
| | ERI = 1 | POWER | .41 | -.21 | .98 | .03 | .15 | .41 | -.01 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

| M0 | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|--------|--------|------|-------|--------|-------|------|-------|
| 2.00 | 7.24 | 9.47 | 25875 | 3075 | 2401 | 22600 | 12800 | 2.02 | 472 | .0 |
| | RAM | 1.11 | .95 | .01 | -.01 | 1.29 | 1.43 | -.51 | .02 | .00 |
| | BLEED | -3.46 | -7.36 | -4.31 | -.02 | -4.08 | -7.26 | -.12 | .05 | .00 |
| | POWER | -7.87 | -21.46 | -13.28 | -.12 | -9.37 | -16.57 | -5.18 | .01 | .00 |
| 2.30 | 11.2 | 13.54 | 36764 | 3400 | 2294 | 32600 | 18000 | 2.04 | 419 | .0 |
| | RAM | 1.13 | .98 | .00 | -.01 | 1.28 | 1.40 | -.45 | .01 | .00 |
| | BLEED | -2.95 | .18 | .00 | 2.37 | -1.01 | -2.12 | 2.38 | .38 | .00 |
| | POWER | -5.51 | 1.98 | .00 | 6.18 | -.02 | -.60 | 2.58 | .71 | .00 |
| 2.50 | 14.9 | 17.27 | 40775 | 3400 | 2098 | 39100 | 20700 | 1.97 | 383 | .0 |
| | RAM | 1.17 | 1.11 | .00 | -.02 | 1.29 | 1.42 | -.33 | .00 | .00 |
| | BLEED | -3.05 | .43 | .00 | 3.00 | -.43 | -1.66 | 2.14 | .95 | .00 |
| | POWER | -4.74 | 2.41 | .00 | 6.29 | 1.10 | .60 | 1.80 | 1.67 | .00 |
| 2.70 | 19.8 | 21.64 | 43739 | 3400 | 1874 | 44700 | 22500 | 1.94 | 337 | .0 |
| | RAM | 1.20 | 1.14 | -.00 | -.02 | 1.31 | 1.44 | -.29 | -.00 | .00 |
| | BLEED | -3.01 | 1.12 | .00 | 3.75 | .37 | -.96 | 2.12 | 1.73 | .00 |
| | POWER | -3.85 | 2.87 | .00 | 6.07 | 1.89 | 1.49 | 1.38 | 2.31 | .00 |
| 3.00 | 29.9 | 29.26 | 50255 | 3400 | 1689 | 56000 | 26000 | 1.93 | 289 | .0 |
| | RAM | 1.25 | 1.23 | -.00 | -.01 | 1.36 | 1.51 | -.26 | .00 | .00 |
| | BLEED | -2.70 | -.31 | .00 | 2.11 | -.85 | -2.31 | 2.07 | .41 | .00 |
| | POWER | -2.95 | .76 | .00 | 3.29 | .14 | -.18 | .94 | .41 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| 2.00 | NR = .925 | 7.24 | 9840 | 11600 | 2.01 | 1329 | 43.6 | 163 | 1779 |
| | P2 = 5.92 | RAM | 1.10 | 1.38 | -.45 | -.00 | 1.10 | 1.10 | .00 |
| | T2 = 702 | BLEED | .05 | -3.83 | 2.45 | -.52 | -1.95 | .05 | -.00 |
| | ERI = 0 | POWER | .01 | -3.49 | 4.35 | .11 | .50 | .01 | -.02 |
| 2.30 | NR = .893 | 11.2 | 14500 | 14900 | 1.95 | 1430 | 56.0 | 210 | 1867 |
| | P2 = 9.14 | RAM | 1.13 | 1.35 | -.35 | -.00 | 1.13 | 1.13 | -.00 |
| | T2 = 802 | BLEED | .38 | -3.55 | 1.94 | -.55 | -2.09 | .38 | .00 |
| | ERI = 0 | POWER | .71 | -2.00 | 2.62 | .08 | .35 | .71 | .03 |
| 2.50 | NR = .870 | 14.9 | 18400 | 17200 | 1.94 | 1501 | 65.4 | 244 | 1933 |
| | P2 = 12.18 | RAM | 1.15 | 1.31 | -.27 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = 876 | BLEED | .95 | -3.61 | 1.96 | -.53 | -2.12 | .95 | .00 |
| | ERI = 0 | POWER | 1.67 | -1.63 | 2.23 | .07 | .34 | 1.67 | .01 |
| 2.70 | NR = .846 | 19.8 | 22200 | 18900 | 1.92 | 1560 | 72.8 | 273 | 1975 |
| | P2 = 16.16 | RAM | 1.18 | 1.34 | -.23 | -.00 | 1.19 | 1.18 | -.00 |
| | T2 = 955 | BLEED | 1.73 | -3.40 | 1.70 | -.50 | -2.16 | 1.73 | .00 |
| | ERI = 0 | POWER | 2.31 | -.37 | .86 | .05 | .23 | 2.31 | .00 |
| 3.00 | NR = .809 | 29.9 | 30000 | 20400 | 1.96 | 1639 | 81.7 | 332 | 2042 |
| | P2 = 24.43 | RAM | 1.24 | 1.35 | -.18 | -.00 | 1.25 | 1.24 | -.00 |
| | T2 = 1083 | BLEED | .41 | -3.89 | 2.06 | -.55 | -2.32 | .41 | .00 |
| | ERI = 0 | POWER | .41 | -.64 | 1.05 | .03 | .15 | .41 | -.01 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| 2.00 | 7.24 | 9.54 | 23362 | 2900 | 2305 | 21900 | 12000 | 1.94 | 472 | .0 |
| | RAM | 1.11 | .96 | .01 | -.01 | 1.28 | 1.43 | -.51 | .02 | .00 |
| | BLEED | -3.88 | -1.51 | -.86 | 2.52 | -2.08 | -3.83 | 2.46 | .05 | .00 |
| | POWER | -9.44 | .81 | -.50 | 9.13 | -1.84 | -3.36 | 4.21 | .01 | .00 |
| 2.30 | 11.2 | 13.72 | 29050 | 2996 | 2099 | 30100 | 15600 | 1.86 | 419 | .0 |
| | RAM | 1.13 | 1.02 | -.00 | -.01 | 1.28 | 1.42 | -.43 | .01 | .00 |
| | BLEED | -2.78 | -1.71 | -.99 | 1.59 | -1.58 | -3.41 | 1.79 | .38 | .00 |
| | POWER | -5.26 | .59 | -.69 | 5.45 | -.39 | -1.42 | 2.02 | .71 | .00 |
| 2.50 | 14.9 | 17.43 | 33306 | 3046 | 1946 | 36500 | 18100 | 1.84 | 383 | .0 |
| | RAM | 1.17 | 1.06 | -.03 | -.04 | 1.27 | 1.39 | -.36 | .00 | .00 |
| | BLEED | -2.89 | -1.75 | -1.20 | 2.13 | -1.14 | -3.25 | 1.58 | .95 | .00 |
| | POWER | -4.53 | .58 | -1.00 | 5.53 | .52 | -.65 | 1.23 | 1.67 | .00 |
| 2.70 | 19.8 | 21.79 | 36436 | 3081 | 1756 | 42100 | 19900 | 1.83 | 337 | .0 |
| | RAM | 1.20 | 1.10 | -.02 | -.03 | 1.30 | 1.43 | -.31 | -.00 | .00 |
| | BLEED | -2.84 | -1.79 | -1.60 | 2.59 | -.59 | -3.17 | 1.45 | 1.73 | .00 |
| | POWER | -3.67 | .49 | -1.31 | 5.07 | 1.11 | -.23 | .72 | 2.31 | .00 |
| 3.00 | 29.9 | 29.45 | 39944 | 3016 | 1564 | 52000 | 22000 | 1.82 | 289 | .0 |
| | RAM | 1.25 | 1.16 | -.04 | -.03 | 1.34 | 1.47 | -.30 | .00 | .00 |
| | BLEED | -2.62 | -1.95 | -.89 | 1.50 | -1.38 | -3.81 | 1.97 | .41 | .00 |
| | POWER | -2.89 | .41 | -.22 | 3.09 | .01 | -.53 | .94 | .41 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GEI 64219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| 2.00 | NR = .925 | 7.24 | 9840 | 9240 | 1.72 | 1329 | 43.6 | 163 | 1779 |
| | P2 = 5.92 | RAM | 1.10 | 1.49 | -.53 | -.00 | 1.10 | 1.10 | .00 |
| | T2 = 702 | BLEED | .05 | -4.18 | 2.88 | -.52 | -1.95 | .05 | -.00 |
| | ERI = 0 | POWER | .01 | -3.38 | 4.43 | .11 | .50 | .01 | -.02 |
| 2.30 | NR = .893 | 11.2 | 14500 | 11800 | 1.69 | 1430 | 56.0 | 210 | 1867 |
| | P2 = 9.14 | RAM | 1.13 | 1.44 | -.42 | -.00 | 1.13 | 1.13 | -.00 |
| | T2 = 802 | BLEED | .38 | -3.86 | 2.30 | -.55 | -2.09 | .38 | .00 |
| | ERI = 0 | POWER | .71 | -1.57 | 2.31 | .08 | .35 | .71 | .03 |
| 2.50 | NR = .870 | 14.9 | 18400 | 13600 | 1.68 | 1501 | 65.4 | 244 | 1933 |
| | P2 = 12.18 | RAM | 1.15 | 1.43 | -.37 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = 876 | BLEED | .95 | -4.02 | 2.46 | -.53 | -2.12 | .95 | .00 |
| | ERI = 0 | POWER | 1.67 | -1.41 | 2.13 | .07 | .34 | 1.67 | .01 |
| 2.70 | NR = .846 | 19.8 | 22200 | 14600 | 1.71 | 1560 | 72.8 | 273 | 1975 |
| | P2 = 16.16 | RAM | 1.18 | 1.41 | -.27 | -.00 | 1.19 | 1.18 | -.00 |
| | T2 = 955 | BLEED | 1.73 | -3.88 | 2.27 | -.50 | -2.16 | 1.73 | .00 |
| | ERI = 0 | POWER | 2.31 | -.57 | 1.20 | .05 | .23 | 2.31 | .00 |
| 3.00 | NR = .809 | 29.9 | 30000 | 15600 | 1.75 | 1639 | 81.7 | 332 | 2042 |
| | P2 = 24.43 | RAM | 1.24 | 1.46 | -.26 | -.00 | 1.25 | 1.24 | -.00 |
| | T2 = 1083 | BLEED | .41 | -4.69 | 3.00 | -.55 | -2.32 | .41 | .00 |
| | ERI = 0 | POWER | .41 | -.85 | 1.39 | .03 | .15 | .41 | -.01 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| 2.00 | 7.24 | 9.76 | 15897 | 2316 | 1986 | 19200 | 9390 | 1.69 | 472 | .0 |
| | RAM | 1.11 | 1.00 | .02 | -.00 | 1.28 | 1.48 | -.52 | .02 | .00 |
| | BLEED | -3.76 | -1.49 | -.82 | 2.41 | -2.02 | -4.19 | 2.88 | .05 | .00 |
| | POWER | -8.98 | 1.00 | -.45 | 8.68 | -1.70 | -3.49 | 4.54 | .01 | .00 |
| 2.30 | 11.2 | 13.97 | 19873 | 2409 | 1823 | 26500 | 12000 | 1.65 | 419 | .0 |
| | RAM | 1.13 | 1.05 | .01 | -.00 | 1.28 | 1.47 | -.45 | .01 | .00 |
| | BLEED | -2.72 | -1.69 | -.99 | 1.55 | -1.55 | -3.87 | 2.32 | .38 | .00 |
| | POWER | -5.05 | .73 | -.69 | 5.30 | -.35 | -1.62 | 2.36 | .71 | .00 |
| 2.50 | 14.9 | 17.70 | 22837 | 2466 | 1701 | 32200 | 13900 | 1.65 | 383 | .0 |
| | RAM | 1.17 | 1.09 | -.02 | -.03 | 1.28 | 1.45 | -.39 | .00 | .00 |
| | BLEED | -2.82 | -1.71 | -1.20 | 2.08 | -1.10 | -3.81 | 2.23 | .95 | .00 |
| | POWER | -4.36 | .71 | -1.01 | 5.35 | .57 | -.88 | 1.60 | 1.67 | .00 |
| 2.70 | 19.8 | 22.05 | 24938 | 2508 | 1545 | 37200 | 15000 | 1.66 | 337 | .0 |
| | RAM | 1.20 | 1.12 | -.01 | -.02 | 1.30 | 1.48 | -.34 | -.00 | .00 |
| | BLEED | -2.78 | -1.74 | -1.57 | 2.57 | -.53 | -3.85 | 2.23 | 1.73 | .00 |
| | POWER | -3.55 | .63 | -1.28 | 4.98 | 1.17 | -.50 | 1.13 | 2.31 | .00 |
| 3.00 | 29.9 | 29.72 | 27217 | 2480 | 1388 | 46200 | 16200 | 1.68 | 289 | .0 |
| | RAM | 1.25 | 1.18 | -.02 | -.02 | 1.35 | 1.54 | -.33 | .00 | .00 |
| | BLEED | -2.60 | -1.90 | -.87 | 1.51 | -1.34 | -4.57 | 2.86 | .41 | .00 |
| | POWER | -2.84 | .54 | -.23 | 3.05 | .03 | -.69 | 1.23 | .41 | .00 |

CONFIDENTIAL

GEI 64210

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| 2.00 | NR = .925 | 7.24 | 9840 | 6770 | 1.52 | 1329 | 43.6 | 163 | 1779 |
| | P2 = 5.92 | RAM | 1.10 | 1.17 | -.70 | -.00 | 1.10 | 1.10 | .00 |
| | T2 = 702 | BLEED | .05 | -4.21 | 4.00 | -.52 | -1.95 | .05 | -.00 |
| | ERI = 0 | POWER | .01 | -4.40 | 5.55 | .11 | .50 | .01 | -.02 |
| 2.30 | NR = .893 | 11.2 | 14500 | 7700 | 1.49 | 1430 | 56.0 | 210 | 1867 |
| | P2 = 9.14 | RAM | 1.13 | 1.22 | -.67 | -.00 | 1.13 | 1.13 | -.00 |
| | T2 = 802 | BLEED | .38 | -4.17 | 3.75 | -.55 | -2.09 | .38 | .00 |
| | ERI = 0 | POWER | .71 | -2.09 | 2.99 | .08 | .35 | .71 | .03 |
| 2.50 | NR = .870 | 14.9 | 18400 | 8290 | 1.49 | 1501 | 65.4 | 244 | 1933 |
| | P2 = 12.18 | RAM | 1.15 | 1.19 | -.58 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = 876 | BLEED | .95 | -4.54 | 4.15 | -.53 | -2.12 | .95 | .00 |
| | ERI = 0 | POWER | 1.67 | -1.52 | 2.59 | .07 | .34 | 1.67 | .01 |
| 2.70 | NR = .846 | 19.8 | 22200 | 8710 | 1.54 | 1560 | 72.8 | 273 | 1975 |
| | P2 = 16.16 | RAM | 1.18 | 1.65 | -.43 | -.00 | 1.19 | 1.18 | -.00 |
| | T2 = 955 | BLEED | 1.73 | -5.68 | 4.44 | -.50 | -2.16 | 1.73 | .00 |
| | ERI = 0 | POWER | 2.31 | -1.17 | 2.17 | .05 | .23 | 2.31 | .00 |
| 3.00 | NR = .809 | 29.9 | 30000 | 8790 | 1.65 | 1639 | 81.7 | 332 | 2042 |
| | P2 = 24.43 | RAM | 1.24 | 1.65 | -.37 | -.00 | 1.25 | 1.24 | -.00 |
| | T2 = 1083 | BLEED | .41 | -6.90 | 5.74 | -.55 | -2.32 | .41 | .00 |
| | ERI = 0 | POWER | .41 | -1.16 | 2.07 | .03 | .15 | .41 | -.01 |

CONFIDENTIAL

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

| MO | P2/PO | P8/PO | WFT | Y8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| 2.00 | 7.24 | 9.94 | 10263 | 1813 | 1709 | 16800 | 6930 | 1.48 | 472 | 3.0 |
| | RAM | 1.13 | .51 | -.29 | -.18 | 1.13 | 1.16 | -.69 | .02 | .00 |
| | BLEED | -3.71 | -.47 | -.22 | 2.69 | -1.65 | -4.08 | 3.85 | .05 | .00 |
| | POWER | -8.66 | 1.08 | -.52 | 8.28 | -1.65 | -4.00 | 5.14 | .01 | .00 |
| 2.30 | 11.2 | 14.22 | 11484 | 1790 | 1527 | 22400 | 7930 | 1.45 | 419 | .0 |
| | RAM | 1.15 | .59 | -.25 | -.15 | 1.14 | 1.16 | -.61 | .01 | .00 |
| | BLEED | -2.70 | -.65 | -.42 | 1.84 | -1.20 | -4.10 | 3.67 | .38 | .00 |
| | POWER | -4.86 | .87 | -.72 | 5.06 | -.31 | -2.18 | 3.08 | .71 | .00 |
| 2.50 | 14.9 | 18.00 | 12369 | 1791 | 1410 | 26900 | 8500 | 1.46 | 383 | .0 |
| | RAM | 1.18 | .64 | -.25 | -.16 | 1.15 | 1.16 | -.55 | .00 | .00 |
| | BLEED | -2.78 | -.67 | -.65 | 2.36 | -.74 | -4.41 | 4.00 | .95 | .00 |
| | POWER | -4.19 | 1.06 | -.92 | 5.24 | .68 | -1.46 | 2.53 | 1.67 | .00 |
| 2.70 | 19.8 | 22.35 | 13441 | 1841 | 1290 | 31200 | 9000 | 1.49 | 337 | .0 |
| | RAM | 1.19 | 1.19 | .02 | -.01 | 1.31 | 1.65 | -.42 | -.00 | .00 |
| | BLEED | -2.72 | -1.62 | -1.39 | 2.65 | -.37 | -5.55 | 4.29 | 1.73 | .00 |
| | POWER | -3.42 | .99 | -1.12 | 5.01 | 1.32 | -1.11 | 2.11 | 2.31 | .00 |
| 3.00 | 29.9 | 30.03 | 14489 | 1860 | 1177 | 39200 | 9180 | 1.58 | 289 | .0 |
| | RAM | 1.25 | 1.25 | .01 | -.00 | 1.36 | 1.75 | -.46 | .00 | .00 |
| | BLEED | -2.57 | -1.76 | -.79 | 1.52 | -1.27 | -6.74 | 5.55 | .41 | .00 |
| | POWER | -2.77 | .89 | -.23 | 2.97 | .05 | -1.15 | 2.05 | .41 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|-------|------|-------|------|------|
| 1.50 | NR = .971 | 3.56 | 4470 | 2860 | 1.15 | 1166 | 27.0 | 99 | 1765 |
| | P2 = 2.92 | RAM | 1.06 | 1.87 | -.89 | -.01 | 1.06 | 1.06 | .00 |
| | T2 = 566 | BLEED | .08 | -5.00 | 4.13 | -.54 | -1.89 | .08 | -.01 |
| | ERI = 0 | POWER | .11 | -5.92 | 8.92 | .16 | .67 | .11 | -.09 |
| 1.80 | NR = .945 | 5.43 | 7290 | 3490 | 1.18 | 1260 | 36.1 | 135 | 1765 |
| | P2 = 4.44 | RAM | 1.08 | 1.75 | -.73 | -.00 | 1.08 | 1.08 | -.00 |
| | T2 = 643 | BLEED | .07 | -5.71 | 5.31 | -.53 | -1.86 | .07 | .00 |
| | ERI = 0 | POWER | -.02 | -4.92 | 8.16 | .17 | .68 | -.02 | .02 |
| 2.00 | NR = .925 | 7.24 | 9840 | 3870 | 1.23 | 1329 | 43.6 | 163 | 1779 |
| | P2 = 5.92 | RAM | 1.10 | 1.74 | -.70 | -.00 | 1.10 | 1.10 | .00 |
| | T2 = 702 | BLEED | .05 | -6.38 | 5.95 | -.52 | -1.95 | .05 | -.00 |
| | ERI = 0 | POWER | .01 | -4.96 | 7.40 | .11 | .50 | .01 | -.02 |
| 2.30 | NR = .893 | 11.2 | 14500 | 4580 | 1.31 | 1430 | 56.0 | 210 | 1867 |
| | P2 = 9.14 | RAM | 1.13 | 1.75 | -.68 | -.00 | 1.13 | 1.13 | -.00 |
| | T2 = 802 | BLEED | .38 | -6.86 | 6.26 | -.55 | -2.09 | .38 | .00 |
| | ERI = 0 | POWER | .71 | -3.35 | 5.10 | .08 | .35 | .71 | .03 |
| 2.50 | NR = .870 | 14.9 | 18400 | 4990 | 1.38 | 1501 | 65.4 | 244 | 1933 |
| | P2 = 12.18 | RAM | 1.15 | 1.92 | -.84 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = 876 | BLEED | .95 | -7.23 | 6.76 | -.53 | -2.12 | .95 | .00 |
| | ERI = 0 | POWER | 1.67 | -1.84 | 3.52 | .07 | .34 | 1.67 | .01 |
| 2.70 | NR = .846 | 19.8 | 22200 | 5050 | 1.45 | 1560 | 72.8 | 273 | 1975 |
| | P2 = 16.16 | RAM | 1.18 | 1.96 | -.71 | -.00 | 1.19 | 1.18 | -.00 |
| | T2 = 955 | BLEED | 1.73 | -8.09 | 7.88 | -.50 | -2.16 | 1.73 | .00 |
| | ERI = 0 | POWER | 2.31 | -1.60 | 3.25 | .05 | .23 | 2.31 | .00 |
| 3.00 | NR = .809 | 29.9 | 30000 | 4660 | 1.63 | 1639 | 81.7 | 332 | 2042 |
| | P2 = 24.43 | RAM | 1.24 | 1.96 | -.65 | -.00 | 1.25 | 1.24 | -.00 |
| | T2 = 1083 | BLEED | .41 | -10.96 | 11.62 | -.55 | -2.32 | .41 | .00 |
| | ERI = 0 | POWER | .41 | -2.13 | 3.74 | .03 | .15 | .41 | -.01 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

| M0 | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|--------|-------|-------|-------|-------|--------|-------|------|-------|
| 1.50 | 3.56 | 6.40 | 3289 | 1236 | 1319 | 7610 | 3140 | 1.05 | 521 | 6.6 |
| | RAM | 1.07 | 1.07 | .00 | -.01 | 1.28 | 1.60 | -.57 | .04 | .00 |
| | BLEED | -3.14 | -1.17 | -.59 | 1.93 | -1.88 | -4.68 | 3.77 | .08 | .00 |
| | POWER | -11.49 | 2.90 | -.80 | 11.00 | -2.68 | -6.65 | 9.68 | .11 | .00 |
| 1.80 | 5.43 | 8.30 | 4120 | 1257 | 1393 | 11000 | 3670 | 1.12 | 496 | 6.6 |
| | RAM | 1.09 | 1.08 | .00 | -.00 | 1.27 | 1.64 | -.61 | .03 | .00 |
| | BLEED | -4.11 | -.85 | -.42 | 3.02 | -1.88 | -5.76 | 5.38 | .07 | .00 |
| | POWER | -11.74 | 3.13 | -.12 | 11.55 | -2.14 | -6.36 | 9.66 | -.02 | .00 |
| 2.00 | 7.24 | 10.13 | 4763 | 1284 | 1399 | 13900 | 4050 | 1.18 | 472 | 6.6 |
| | RAM | 1.11 | 1.10 | .00 | -.01 | 1.27 | 1.68 | -.63 | .02 | .00 |
| | BLEED | -3.60 | -1.00 | -.49 | 2.43 | -1.76 | -6.17 | 5.70 | .05 | .00 |
| | POWER | -8.35 | 2.32 | -.29 | 8.10 | -1.43 | -4.92 | 7.36 | .01 | .00 |
| 2.30 | 11.2 | 14.40 | 5984 | 1365 | 1307 | 19300 | 4800 | 1.25 | 419 | 3.0 |
| | RAM | 1.13 | 1.13 | .00 | -.00 | 1.27 | 1.70 | -.63 | .01 | .00 |
| | BLEED | -2.64 | -1.25 | -.69 | 1.65 | -1.33 | -6.48 | 5.80 | .38 | .00 |
| | POWER | -4.74 | 1.67 | -.55 | 5.07 | -.18 | -2.87 | 4.60 | .71 | .00 |
| 2.50 | 14.9 | 18.16 | 6869 | 1425 | 1237 | 23700 | 5290 | 1.30 | 383 | .0 |
| | RAM | 1.16 | 1.16 | .00 | -.01 | 1.28 | 1.74 | -.64 | .00 | .00 |
| | BLEED | -2.73 | -1.20 | -.84 | 2.22 | -.83 | -7.02 | 6.50 | .95 | .00 |
| | POWER | -4.10 | 1.64 | -.76 | 5.25 | .80 | -2.25 | 3.93 | 1.67 | .00 |
| 2.70 | 19.8 | 22.52 | 7315 | 1474 | 1139 | 27500 | 5340 | 1.37 | 337 | .0 |
| | RAM | 1.20 | 1.19 | .01 | -.01 | 1.30 | 1.83 | -.59 | -.00 | .00 |
| | BLEED | -2.69 | -1.17 | -1.01 | 2.82 | -.14 | -7.88 | 7.61 | 1.73 | .00 |
| | POWER | -3.36 | 1.62 | -.87 | 5.04 | 1.49 | -1.92 | 3.57 | 2.31 | .00 |
| 3.00 | 29.9 | 30.20 | 7613 | 1522 | 1053 | 35000 | 4990 | 1.53 | 289 | .0 |
| | RAM | 1.25 | 1.25 | .00 | -.01 | 1.35 | 2.04 | -.72 | .00 | .00 |
| | BLEED | -2.56 | -1.25 | -.53 | 1.67 | -1.11 | -10.25 | 10.64 | .41 | .00 |
| | POWER | -2.74 | 1.57 | -.20 | 2.97 | .07 | -1.98 | 3.59 | .41 | .00 |

CONFIDENTIAL

GEI 64219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.10.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|-------|------|-------|------|------|
| 1.50 | NR = .971 | 3.56 | 4470 | 2860 | 1.15 | 1166 | 27.0 | 99 | 1765 |
| | P2 = 2.92 | RAM | 1.06 | 1.87 | -.89 | -.01 | 1.06 | 1.06 | .00 |
| | T2 = 566 | BLEED | .08 | -4.98 | 4.13 | -.54 | -1.89 | .08 | -.00 |
| | ERI = 0 | POWER | .11 | -5.79 | 8.91 | .17 | .69 | .11 | .00 |
| 1.80 | NR = .945 | 5.43 | 7290 | 3490 | 1.18 | 1260 | 36.1 | 135 | 1765 |
| | P2 = 4.44 | RAM | 1.08 | 1.75 | -.73 | -.00 | 1.08 | 1.08 | -.00 |
| | T2 = 643 | BLEED | .07 | -5.71 | 5.31 | -.53 | -1.86 | .07 | .00 |
| | ERI = 0 | POWER | -.02 | -4.92 | 8.16 | .17 | .68 | -.02 | .02 |
| 2.00 | NR = .925 | 7.24 | 9840 | 3870 | 1.23 | 1329 | 43.6 | 163 | 1779 |
| | P2 = 5.92 | RAM | 1.10 | 1.74 | -.70 | -.00 | 1.10 | 1.10 | .00 |
| | T2 = 702 | BLEED | .05 | -6.38 | 5.95 | -.52 | -1.95 | .05 | -.00 |
| | ERI = 0 | POWER | .01 | -4.97 | 7.40 | .11 | .50 | .01 | -.02 |
| 2.30 | NR = .893 | 11.2 | 14500 | 4580 | 1.31 | 1430 | 56.0 | 210 | 1868 |
| | P2 = 9.14 | RAM | 1.13 | 1.76 | -.68 | -.00 | 1.13 | 1.13 | .00 |
| | T2 = 802 | BLEED | .38 | -6.87 | 6.26 | -.55 | -2.09 | .38 | -.00 |
| | ERI = 0 | POWER | .70 | -3.36 | 5.10 | .08 | .36 | .70 | .02 |
| 2.50 | NR = .870 | 14.9 | 18500 | 4920 | 1.38 | 1500 | 65.2 | 245 | 1921 |
| | P2 = 12.18 | RAM | 1.15 | 1.94 | -.86 | -.00 | 1.16 | 1.15 | .01 |
| | T2 = 876 | BLEED | .70 | -6.29 | 6.53 | -.49 | -1.96 | .70 | .43 |
| | ERI = 0 | POWER | .93 | 1.30 | 2.88 | .18 | .86 | .93 | 1.29 |
| 2.70 | NR = .846 | 19.8 | 23200 | 4070 | 1.53 | 1551 | 70.6 | 285 | 1836 |
| | P2 = 16.16 | RAM | 1.19 | 2.05 | -.81 | -.00 | 1.19 | 1.19 | -.01 |
| | T2 = 955 | BLEED | .06 | -3.88 | 7.53 | -.35 | -1.40 | .06 | 1.95 |
| | ERI = 0 | POWER | -.16 | 10.11 | .42 | .34 | 1.92 | -.16 | 3.88 |
| 3.00 | NR = .809 | 29.9 | 30700 | 1650 | 2.70 | 1612 | 74.5 | 340 | 1663 |
| | P2 = 24.43 | RAM | 1.24 | 3.56 | -2.00 | -.00 | 1.24 | 1.24 | -.01 |
| | T2 = 1083 | BLEED | .02 | -12.56 | 21.65 | -.41 | -1.51 | .02 | 1.90 |
| | ERI = 0 | POWER | -.03 | 24.21 | -9.09 | .35 | 1.92 | -.03 | 3.76 |

CONFIDENTIAL

GEI 04210

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.10.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|--------|-------|------|-------|-------|--------|-------|------|-------|
| 1.50 | 3.56 | 6.40 | 3288 | 1236 | 1319 | 7610 | 3140 | 1.05 | 521 | 6.6 |
| | RAM | 1.07 | 1.07 | .00 | -.01 | 1.28 | 1.60 | -.57 | .04 | .00 |
| | BLEED | -3.13 | -1.16 | -.59 | 1.92 | -1.88 | -4.66 | 3.77 | .08 | .00 |
| | POWER | -11.41 | 3.03 | -.74 | 10.96 | -2.63 | -6.53 | 9.68 | .11 | .00 |
| 1.80 | 5.43 | 8.30 | 4120 | 1257 | 1393 | 11000 | 3670 | 1.12 | 496 | 6.6 |
| | RAM | 1.09 | 1.08 | .00 | -.00 | 1.27 | 1.64 | -.61 | .03 | .00 |
| | BLEED | -4.11 | -.85 | -.42 | 3.02 | -1.88 | -5.76 | 5.38 | .07 | .00 |
| | POWER | -11.74 | 3.13 | -.12 | 11.55 | -2.14 | -6.36 | 9.66 | -.02 | .00 |
| 2.00 | 7.24 | 10.13 | 4763 | 1284 | 1399 | 13900 | 4050 | 1.18 | 472 | 6.6 |
| | RAM | 1.11 | 1.10 | .00 | -.01 | 1.27 | 1.68 | -.63 | .02 | .00 |
| | BLEED | -3.60 | -1.00 | -.49 | 2.43 | -1.76 | -6.17 | 5.70 | .05 | .00 |
| | POWER | -8.35 | 2.32 | -.29 | 8.10 | -1.43 | -4.93 | 7.36 | .01 | .00 |
| 2.30 | 11.2 | 14.40 | 5984 | 1365 | 1307 | 19300 | 4800 | 1.25 | 419 | 3.0 |
| | RAM | 1.14 | 1.13 | .00 | -.00 | 1.27 | 1.71 | -.63 | .01 | .00 |
| | BLEED | -2.64 | -1.25 | -.69 | 1.65 | -1.33 | -6.49 | 5.80 | .38 | .00 |
| | POWER | -4.75 | 1.67 | -.55 | 5.07 | -.19 | -2.88 | 4.60 | .70 | .00 |
| 2.50 | 14.9 | 18.02 | 6783 | 1417 | 1249 | 23700 | 5200 | 1.30 | 384 | .0 |
| | RAM | 1.17 | 1.17 | .01 | .00 | 1.28 | 1.75 | -.64 | -.00 | .00 |
| | BLEED | -2.22 | -.38 | -.45 | 1.61 | -.79 | -6.08 | 6.27 | .70 | .00 |
| | POWER | -2.51 | 4.20 | .42 | 3.41 | .92 | .88 | 3.31 | .93 | .00 |
| 2.70 | 19.8 | 20.61 | 6248 | 1383 | 1249 | 27500 | 4330 | 1.44 | 352 | .0 |
| | RAM | 1.18 | 1.16 | -.00 | -.00 | 1.31 | 1.98 | -.74 | .01 | .00 |
| | BLEED | -.48 | 3.22 | .84 | .00 | -.53 | -3.66 | 7.28 | .06 | .00 |
| | POWER | 1.32 | 10.56 | 2.53 | .00 | 1.37 | 9.55 | .96 | -.16 | .00 |
| 3.00 | 29.9 | 24.10 | 4456 | 1337 | 1249 | 32600 | 1940 | 2.29 | 295 | .0 |
| | RAM | 1.24 | 1.20 | -.00 | -.00 | 1.36 | 3.28 | -1.79 | .01 | .00 |
| | BLEED | -.58 | 5.01 | .75 | .00 | -.62 | -10.72 | 18.75 | .02 | .00 |
| | POWER | .93 | 13.95 | 2.04 | .00 | 1.20 | 20.68 | -6.06 | -.03 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|-------|-------|-------|-------|--------|--------|------|-------|-------|
| 1.5 | | .971 | 3.56 | 4470 | 1.32 | 1152 | 25.6 | 99 | 1514 |
| | | 2.92 | RAM | 1.06 | 2.22 | -1.35 | -.01 | 1.05 | 1.06 |
| | | 566 | BLEED | .03 | -1.74 | 4.20 | -.31 | -1.14 | .03 |
| | E | 0 | POWER | -.10 | 19.07 | 3.08 | .99 | 4.96 | -.10 |
| | | | | | | | | | 11.53 |
| 1.80 | NR = | .945 | 5.43 | 7300 | 2630 | 1.32 | 1249 | 34.7 | 135 |
| | P2 = | 4.44 | RAM | 1.08 | 2.01 | -1.03 | -.00 | 1.08 | 1.08 |
| | T2 = | 643 | BLEED | .03 | -2.00 | 4.64 | -.34 | -1.18 | .03 |
| | ERI = | 0 | POWER | -.08 | 14.76 | 2.74 | .80 | 3.78 | -.08 |
| | | | | | | | | | 8.66 |
| 2.00 | NR = | .925 | 7.24 | 9850 | 2820 | 1.39 | 1317 | 41.8 | 164 |
| | P2 = | 5.92 | RAM | 1.10 | 1.94 | -.97 | -.01 | 1.09 | 1.10 |
| | T2 = | 702 | BLEED | .03 | -2.45 | 5.36 | -.37 | -1.23 | .03 |
| | ERI = | 0 | POWER | -.06 | 13.60 | 2.03 | .68 | 3.21 | -.06 |
| | | | | | | | | | 7.19 |
| 2.30 | NR = | .893 | 11.2 | 14700 | 2400 | 1.68 | 1409 | 51.8 | 213 |
| | P2 = | 9.14 | RAM | 1.13 | 2.26 | -1.30 | -.00 | 1.13 | 1.13 |
| | T2 = | 802 | BLEED | .01 | -3.49 | 7.79 | -.26 | -1.22 | .01 |
| | ERI = | 0 | POWER | -.02 | 14.89 | -.62 | .36 | 2.51 | -.02 |
| | | | | | | | | | 5.43 |
| 2.50 | NR = | .870 | 14.9 | 19000 | 1910 | 2.07 | 1475 | 59.0 | 252 |
| | P2 = | 12.18 | RAM | 1.16 | 3.11 | -2.36 | -.00 | 1.16 | 1.16 |
| | T2 = | 876 | BLEED | .01 | -6.09 | 11.76 | -.30 | -1.31 | .01 |
| | ERI = | 0 | POWER | -.01 | 19.70 | -4.65 | .35 | 2.28 | -.01 |
| | | | | | | | | | 4.86 |
| 2.70 | NR = | .846 | 19.8 | 23500 | 800 | 4.17 | 1525 | 63.9 | 289 |
| | P2 = | 16.16 | RAM | 1.19 | 5.83 | -3.63 | -.00 | 1.19 | 1.19 |
| | T2 = | 955 | BLEED | .02 | -17.96 | 32.86 | -.32 | -1.38 | .02 |
| | ERI = | 0 | POWER | -.02 | 45.82 | -23.30 | .32 | 2.17 | -.02 |
| | | | | | | | | | 4.56 |
| 3.00 | NR = | .809 | 29.9 | 30700 | -1900 | -.750 | 1579 | 66.5 | 340 |
| | P2 = | 24.43 | RAM | 1.24 | -.87 | 2.11 | -.00 | 1.24 | 1.24 |
| | T2 = | 1083 | BLEED | .02 | 10.48 | 3.97 | -.32 | -1.51 | .02 |
| | ERI = | 0 | POWER | -.01 | -17.44 | 59.91 | .40 | 2.35 | -.01 |
| | | | | | | | | | 4.26 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 65000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|--------|--------|------|-------|
| 1.50 | 3.56 | 4.65 | 2614 | 1102 | 1690 | 6660 | 2180 | 1.20 | 522 | 6.6 |
| | RAM | 1.05 | 1.02 | -.02 | .00 | 1.33 | 1.86 | -.93 | .04 | .00 |
| | BLEED | -.37 | 2.35 | 1.12 | .00 | -.48 | -1.52 | 3.96 | .03 | .00 |
| | POWER | 4.32 | 22.27 | 8.19 | .00 | 5.38 | 16.62 | 5.48 | -.10 | .00 |
| 1.80 | 5.43 | 6.50 | 3465 | 1162 | 1690 | 10000 | 2740 | 1.26 | 497 | 6.6 |
| | RAM | 1.09 | 1.08 | -.00 | .00 | 1.30 | 1.88 | -.89 | .03 | .00 |
| | BLEED | -.41 | 2.50 | 1.04 | .00 | -.49 | -1.90 | 4.53 | .03 | .00 |
| | POWER | 3.27 | 17.61 | 5.97 | .00 | 3.76 | 14.00 | 3.48 | -.08 | .00 |
| 2.00 | 7.24 | 7.96 | 3919 | 1183 | 1690 | 12800 | 2940 | 1.33 | 472 | 6.6 |
| | RAM | 1.10 | 1.07 | -.01 | .00 | 1.29 | 1.92 | -.94 | .02 | .00 |
| | BLEED | -.44 | 2.71 | .98 | .00 | -.53 | -2.38 | 5.27 | .03 | .00 |
| | POWER | 2.56 | 15.72 | 4.84 | .00 | 3.01 | 13.29 | 2.33 | -.06 | .00 |
| 2.30 | 11.2 | 10.33 | 4034 | 1180 | 1690 | 17300 | 2570 | 1.57 | 425 | 3.0 |
| | RAM | 1.13 | 1.10 | -.01 | .00 | 1.30 | 2.25 | -1.29 | .01 | .00 |
| | BLEED | -.42 | 3.89 | 1.05 | .00 | -.49 | -3.34 | 7.60 | .01 | .00 |
| | POWER | 1.82 | 14.24 | 3.40 | .00 | 2.10 | 14.23 | .00 | -.02 | .00 |
| 2.50 | 14.9 | 12.26 | 3957 | 1187 | 1690 | 21100 | 2090 | 1.89 | 395 | .0 |
| | RAM | 1.16 | 1.11 | -.01 | .00 | 1.31 | 2.71 | -1.84 | .01 | .00 |
| | BLEED | -.47 | 4.59 | .96 | .00 | -.54 | -5.51 | 11.01 | .01 | .00 |
| | POWER | 1.54 | 14.61 | 2.87 | .00 | 1.75 | 17.81 | -2.95 | -.01 | .00 |
| 2.70 | 19.8 | 13.99 | 3332 | 1182 | 1690 | 24500 | 990 | 3.36 | 356 | .0 |
| | RAM | 1.18 | 1.14 | -.00 | -.00 | 1.34 | 4.93 | -3.04 | .01 | .00 |
| | BLEED | -.50 | 6.05 | .88 | .00 | -.58 | -14.55 | 26.35 | .02 | .00 |
| | POWER | 1.32 | 17.09 | 2.46 | .00 | 1.49 | 37.12 | -16.85 | -.02 | .00 |
| 3.00 | 29.9 | 16.30 | 1424 | 1165 | 1690 | 29000 | -1650 | -.860 | 295 | .0 |
| | RAM | 1.24 | 1.15 | -.00 | -.00 | 1.39 | -1.33 | 2.66 | .01 | .00 |
| | BLEED | -.61 | 15.07 | .70 | .00 | -.67 | 12.17 | 2.45 | .02 | .00 |
| | POWER | .99 | 37.24 | 1.90 | .00 | 1.14 | -20.25 | 63.98 | -.01 | .00 |

CONFIDENTIAL

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|--------|------|-------|------|------|
| 1.50 | NR = .971 | 3.57 | 4270 | 6690 | 2.35 | 1239 | 24.3 | 90 | 1765 |
| | P2 = 2.92 | RAM | 1.07 | 1.53 | -.43 | -.01 | 1.06 | 1.07 | .00 |
| | T2 = 624 | BLEED | .06 | -8.46 | -1.91 | -.51 | -1.85 | .06 | .00 |
| | ERI = 19 | POWER | -.04 | -34.73 | -18.12 | .26 | 1.04 | -.04 | .04 |
| 2.00 | NR = .925 | 7.25 | 9020 | 11400 | 2.41 | 1404 | 38.1 | 143 | 1842 |
| | P2 = 5.93 | RAM | 1.10 | 1.44 | -.55 | -.00 | 1.11 | 1.10 | -.00 |
| | T2 = 774 | BLEED | .34 | -4.99 | -.93 | -.55 | -2.06 | .34 | -.00 |
| | ERI = 19 | POWER | .94 | -10.72 | -8.96 | .11 | .50 | .94 | .00 |
| 2.50 | NR = .870 | 14.9 | 16000 | 15500 | 2.12 | 1565 | 53.6 | 202 | 1979 |
| | P2 = 12.20 | RAM | 1.15 | 1.37 | -.30 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = 963 | BLEED | 1.68 | -1.76 | 2.98 | -.50 | -2.18 | 1.68 | .00 |
| | ERI = 1 | POWER | 2.98 | .23 | 3.59 | .07 | .31 | 2.98 | .00 |
| 2.80 | NR = .834 | 22.8 | 22000 | 17800 | 2.12 | 1648 | 60.8 | 249 | 2042 |
| | P2 = 18.64 | RAM | 1.20 | 1.41 | -.23 | -.00 | 1.21 | 1.20 | -.00 |
| | T2 = 1095 | BLEED | .40 | -2.43 | 2.25 | -.55 | -2.33 | .40 | .01 |
| | ERI = 1 | POWER | .54 | -.40 | 1.50 | .04 | .21 | .54 | .02 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FN8 | SFCB | W2K | BTANG |
|------|-------|--------|--------|--------|------|--------|--------|--------|------|-------|
| 1.50 | 3.57 | 5.23 | 15723 | 3060 | 2402 | 11100 | 6790 | 2.32 | 497 | 3.0 |
| | RAM | 1.08 | 1.13 | .03 | .00 | 1.35 | 1.53 | -.43 | .04 | .00 |
| | BLEED | -4.08 | -10.12 | -5.30 | -.09 | -5.15 | -8.43 | -1.94 | .06 | .00 |
| | POWER | -16.96 | -51.72 | -27.49 | -.23 | -21.27 | -34.61 | -18.25 | -.04 | .00 |
| 2.00 | 7.25 | 8.89 | 27405 | 3387 | 2380 | 20800 | 11800 | 2.33 | 432 | .0 |
| | RAM | 1.09 | .93 | .08 | .04 | 1.33 | 1.50 | -.61 | .02 | .00 |
| | BLEED | -2.82 | -5.84 | -2.33 | .56 | -2.72 | -5.06 | -.85 | .34 | .00 |
| | POWER | -7.56 | -19.40 | -7.66 | 2.94 | -5.75 | -10.87 | -8.81 | .94 | .00 |
| 2.50 | 14.9 | 16.15 | 32716 | 3400 | 1865 | 32100 | 16100 | 2.04 | 332 | .0 |
| | RAM | 1.17 | 1.09 | .00 | -.02 | 1.29 | 1.44 | -.37 | .00 | .00 |
| | BLEED | -2.97 | 1.13 | .00 | 3.67 | .28 | -1.11 | 2.29 | 1.68 | .00 |
| | POWER | -5.09 | 3.82 | .00 | 7.96 | 2.35 | 1.72 | 2.09 | 2.98 | .00 |
| 2.80 | 22.8 | 21.95 | 37817 | 3400 | 1690 | 40800 | 18700 | 2.02 | 285 | .0 |
| | RAM | 1.21 | 1.16 | -.00 | -.01 | 1.34 | 1.50 | -.31 | .00 | .00 |
| | BLEED | -2.68 | -.27 | .00 | 2.09 | -.89 | -2.41 | 2.22 | .40 | .00 |
| | POWER | -3.89 | 1.09 | .00 | 4.34 | .13 | -.35 | 1.45 | .54 | .00 |

CONFIDENTIAL

GEI 64219

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S. 2.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|------|------|-------|------|------|
| 1.50 | NR = .971 | 3.57 | 4270 | 6410 | 2.25 | 1239 | 24.3 | 90 | 1765 |
| | P2 = 2.92 | RAM | 1.07 | 1.40 | -.59 | -.01 | 1.06 | 1.07 | .00 |
| | T2 = 624 | BLEED | .06 | -5.80 | .92 | -.51 | -1.85 | .06 | .00 |
| | ERI = 19 | POWER | -.04 | -11.75 | 4.70 | .26 | 1.04 | -.04 | .04 |
| 2.00 | NR = .925 | 7.25 | 9020 | 9860 | 2.10 | 1404 | 38.1 | 143 | 1842 |
| | P2 = 5.93 | RAM | 1.10 | 1.44 | -.53 | -.00 | 1.11 | 1.10 | -.00 |
| | T2 = 774 | BLEED | .34 | -3.72 | 2.24 | -.55 | -2.06 | .34 | -.00 |
| | ERI = 19 | POWER | .94 | -3.46 | 4.29 | .11 | .50 | .94 | .00 |
| 2.50 | NR = .870 | 14.9 | 16000 | 13900 | 1.99 | 1565 | 53.6 | 202 | 1979 |
| | P2 = 12.20 | RAM | 1.15 | 1.35 | -.33 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = 963 | BLEED | 1.68 | -3.38 | 1.71 | -.50 | -2.18 | 1.68 | .00 |
| | ERI = 0 | POWER | 2.98 | -.59 | 1.23 | .07 | .31 | 2.98 | .00 |
| 2.80 | NR = .834 | 22.8 | 22000 | 15200 | 2.00 | 1648 | 60.8 | 249 | 2042 |
| | P2 = 18.64 | RAM | 1.20 | 1.37 | -.26 | -.00 | 1.21 | 1.20 | -.00 |
| | T2 = 1095 | BLEED | .40 | -3.95 | 2.17 | -.55 | -2.33 | .40 | .01 |
| | ERI = 0 | POWER | .54 | -.96 | 1.52 | .04 | .21 | .54 | .02 |

CONFIDENTIAL

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FG8 | FN8 | SFCB | W2K | BTANG |
|------|-------|--------|-------|-------|-------|-------|--------|------|------|-------|
| 1.50 | 3.57 | 5.26 | 14446 | 2932 | 2329 | 10800 | 6510 | 2.22 | 497 | 3.0 |
| | RAM | 1.10 | .85 | -.12 | -.11 | 1.27 | 1.40 | -.59 | .04 | .00 |
| | BLEED | -4.43 | -4.97 | -2.52 | 2.06 | -3.54 | -5.90 | 1.02 | .06 | .00 |
| | POWER | -19.84 | -7.15 | -4.46 | 17.05 | -7.73 | -12.77 | 5.75 | -.04 | .00 |
| 2.00 | 7.25 | 9.02 | 20702 | 2974 | 2164 | 19200 | 10200 | 2.04 | 432 | .0 |
| | RAM | 1.10 | .95 | .03 | .01 | 1.30 | 1.47 | -.56 | .02 | .00 |
| | BLEED | -2.93 | -1.61 | -1.09 | 1.65 | -1.79 | -3.68 | 2.19 | .34 | .00 |
| | POWER | -8.09 | .79 | -1.42 | 8.06 | -1.25 | -3.20 | 4.03 | .94 | .00 |
| 2.50 | 14.9 | 16.26 | 27568 | 3103 | 1755 | 30300 | 14300 | 1.93 | 332 | .0 |
| | RAM | 1.17 | 1.04 | -.03 | -.04 | 1.28 | 1.42 | -.40 | .00 | .00 |
| | BLEED | -2.81 | -1.76 | -1.58 | 2.51 | -.67 | -3.29 | 1.61 | 1.68 | .00 |
| | POWER | -4.86 | .64 | -1.75 | 6.63 | 1.30 | -.57 | 1.22 | 2.98 | .00 |
| 2.80 | 22.8 | 22.09 | 30383 | 3034 | 1570 | 38000 | 16000 | 1.90 | 285 | .0 |
| | RAM | 1.21 | 1.09 | -.03 | -.03 | 1.31 | 1.47 | -.35 | .00 | .00 |
| | BLEED | -2.61 | -1.91 | -.88 | 1.49 | -1.41 | -3.91 | 2.12 | .40 | .00 |
| | POWER | -3.82 | .55 | -.32 | 4.06 | -.05 | -.87 | 1.43 | .54 | .00 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|-------|------|-------|------|------|
| 1.50 | NR = .971 | 3.57 | 4270 | 5100 | 1.89 | 1239 | 24.3 | 90 | 1765 |
| | P2 = 2.92 | RAM | 1.07 | 1.43 | -.57 | -.01 | 1.06 | 1.07 | .00 |
| | T2 = 624 | BLEED | .06 | -4.35 | 3.28 | -.51 | -1.85 | .06 | .00 |
| | ERI = 19 | POWER | -.04 | -8.94 | 11.07 | .26 | 1.04 | -.04 | .04 |
| 2.00 | NR = .925 | 7.25 | 9020 | 7670 | 1.82 | 1404 | 38.1 | 143 | 1842 |
| | P2 = 5.93 | RAM | 1.10 | 1.56 | -.61 | -.00 | 1.11 | 1.10 | -.00 |
| | T2 = 774 | BLEED | .34 | -4.17 | 2.73 | -.55 | -2.06 | .34 | -.00 |
| | ERI = 19 | POWER | .94 | -3.08 | 4.11 | .11 | .50 | .94 | .00 |
| 2.50 | NR = .870 | 14.9 | 16000 | 10500 | 1.78 | 1565 | 53.6 | 202 | 1979 |
| | P2 = 12.20 | RAM | 1.15 | 1.50 | -.47 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = 963 | BLEED | 1.68 | -4.06 | 2.49 | -.50 | -2.18 | 1.68 | .00 |
| | ERI = 0 | POWER | 2.98 | -.97 | 1.80 | .07 | .31 | 2.98 | .00 |
| 2.80 | NR = .834 | 22.8 | 22000 | 11400 | 1.80 | 1648 | 60.8 | 249 | 2042 |
| | P2 = 18.64 | RAM | 1.20 | 1.50 | -.36 | -.00 | 1.21 | 1.20 | -.00 |
| | T2 = 1095 | BLEED | .40 | -4.76 | 3.11 | -.55 | -2.33 | .40 | .01 |
| | ERI = 0 | POWER | .54 | -1.10 | 1.85 | .04 | .21 | .54 | .02 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFC8 | W2K | BTANG |
|------|-------|--------|-------|-------|-------|-------|-------|-------|------|-------|
| 1.50 | 3.57 | 5.38 | 9650 | 2321 | 1992 | 9450 | 5180 | 1.86 | 497 | 6.6 |
| | RAM | 1.09 | .90 | -.10 | -.08 | 1.27 | 1.44 | -.58 | .04 | .00 |
| | BLEED | -4.51 | -1.28 | -.45 | 3.41 | -2.30 | -4.25 | 3.17 | .06 | .00 |
| | POWER | -19.36 | 1.95 | .24 | 19.35 | -4.64 | -8.42 | 10.53 | -.04 | .00 |
| 2.00 | 7.25 | 9.20 | 13999 | 2378 | 1870 | 16800 | 7830 | 1.79 | 432 | .0 |
| | RAM | 1.10 | .99 | .04 | .02 | 1.30 | 1.53 | -.58 | .02 | .00 |
| | BLEED | -2.86 | -1.61 | -1.05 | 1.63 | -1.74 | -4.12 | 2.68 | .34 | .00 |
| | POWER | -7.76 | .99 | -1.32 | 7.88 | -1.09 | -3.43 | 4.46 | .94 | .00 |
| 2.50 | 14.9 | 16.45 | 18722 | 2516 | 1540 | 26800 | 10800 | 1.74 | 332 | .0 |
| | RAM | 1.17 | 1.07 | -.01 | -.03 | 1.28 | 1.48 | -.45 | .00 | .00 |
| | BLEED | -2.75 | -1.73 | -1.56 | 2.49 | -.61 | -4.01 | 2.43 | 1.68 | .00 |
| | POWER | -4.71 | .82 | -1.69 | 6.49 | 1.39 | -.96 | 1.79 | 2.98 | .00 |
| 2.80 | 22.8 | 22.29 | 20548 | 2488 | 1391 | 33700 | 11700 | 1.75 | 285 | .0 |
| | RAM | 1.21 | 1.12 | -.02 | -.02 | 1.32 | 1.54 | -.39 | .00 | .00 |
| | BLEED | -2.58 | -1.87 | -.86 | 1.49 | -1.37 | -4.71 | 3.06 | .40 | .00 |
| | POWER | -3.74 | .73 | -.32 | 4.01 | -.03 | -1.09 | 1.83 | .54 | .00 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| 1.50 | NR = .971 | 3.57 | 4270 | 4640 | 1.79 | 1239 | 24.3 | 90 | 1765 |
| | P2 = 2.92 | RAM | 1.07 | 1.14 | -.82 | -.01 | 1.06 | 1.07 | .00 |
| | T2 = 624 | BLEED | .06 | -3.51 | 3.40 | -.51 | -1.85 | .06 | .00 |
| | ERI = 19 | POWER | -.04 | -7.49 | 9.21 | .26 | 1.04 | -.04 | .04 |
| 2.00 | NR = .925 | 7.25 | 9020 | 5850 | 1.64 | 1404 | 38.1 | 143 | 1842 |
| | P2 = 5.93 | RAM | 1.10 | 1.25 | -.83 | -.00 | 1.11 | 1.10 | -.00 |
| | T2 = 774 | BLEED | .34 | -4.07 | 3.77 | -.55 | -2.06 | .34 | -.00 |
| | ERI = 19 | POWER | .94 | -4.22 | 5.28 | .11 | .50 | .94 | .00 |
| 2.50 | NR = .870 | 14.9 | 16000 | 6630 | 1.64 | 1565 | 53.6 | 202 | 1979 |
| | P2 = 12.20 | RAM | 1.15 | 1.18 | -.65 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = 963 | BLEED | 1.68 | -4.42 | 4.10 | -.50 | -2.18 | 1.68 | .00 |
| | ERI = 0 | POWER | 2.98 | -1.17 | 2.26 | .07 | .31 | 2.98 | .00 |
| 2.80 | NR = .834 | 22.8 | 22000 | 6450 | 1.72 | 1648 | 60.8 | 249 | 2042 |
| | P2 = 18.64 | RAM | 1.20 | 1.20 | -.56 | -.00 | 1.21 | 1.20 | -.00 |
| | T2 = 1095 | BLEED | .40 | -5.86 | 5.74 | -.55 | -2.33 | .40 | .01 |
| | ERI = 0 | POWER | .54 | -1.58 | 2.70 | .04 | .21 | .54 | .02 |

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|--------|-------|-------|-------|-------|-------|-------|------|-------|
| 1.50 | 3.57 | 5.42 | 8313 | 2128 | 1886 | 9010 | 4740 | 1.75 | 497 | 6.6 |
| | RAM | 1.12 | .36 | -.43 | -.29 | 1.10 | 1.14 | -.82 | .04 | .00 |
| | BLEED | -4.50 | -.29 | .12 | 3.75 | -1.97 | -3.81 | 3.73 | .06 | .00 |
| | POWER | -19.04 | 1.59 | -.09 | 18.91 | -4.70 | -8.90 | 10.66 | -.04 | .00 |
| 2.00 | 7.25 | 9.33 | 9591 | 1936 | 1650 | 15000 | 5990 | 1.60 | 432 | 3.0 |
| | RAM | 1.12 | .47 | -.26 | -.16 | 1.14 | 1.21 | -.78 | .02 | .00 |
| | BLEED | -2.86 | -.53 | -.42 | 1.97 | -1.37 | -3.93 | 3.62 | .34 | .00 |
| | POWER | -7.54 | 1.00 | -1.31 | 7.64 | -1.02 | -3.96 | 5.01 | .94 | .00 |
| 2.50 | 14.9 | 16.65 | 10866 | 1916 | 1313 | 22900 | 6900 | 1.57 | 332 | .0 |
| | RAM | 1.18 | .57 | -.26 | -.17 | 1.15 | 1.15 | -.61 | .00 | .00 |
| | BLEED | -2.72 | -.59 | -.92 | 2.87 | -.19 | -4.54 | 4.24 | 1.68 | .00 |
| | POWER | -4.55 | 1.07 | -1.59 | 6.50 | 1.53 | -1.32 | 2.91 | 2.98 | .00 |
| 2.80 | 22.8 | 22.52 | 11100 | 1883 | 1185 | 28800 | 6730 | 1.65 | 285 | .0 |
| | RAM | 1.22 | .60 | -.23 | -.14 | 1.19 | 1.15 | -.52 | .00 | .00 |
| | BLEED | -2.57 | -.62 | -.30 | 1.79 | -1.03 | -5.72 | 5.57 | .40 | .00 |
| | POWER | -3.66 | 1.11 | -.33 | 3.90 | -.01 | -1.80 | 2.93 | .54 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|-------|------|-------|------|------|
| 1.50 | NR = .971 | 3.57 | 4270 | 2180 | 1.29 | 1239 | 24.3 | 90 | 1765 |
| | P2 = 2.92 | RAM | 1.07 | 2.18 | -1.26 | -.01 | 1.06 | 1.07 | .00 |
| | T2 = 624 | BLEED | .06 | -6.33 | 6.06 | -.51 | -1.85 | .06 | .00 |
| | ERI = 0 | POWER | -.04 | -9.77 | 14.73 | .26 | 1.04 | -.04 | .04 |
| 2.00 | NR = .925 | 7.25 | 9020 | 3070 | 1.33 | 1404 | 38.1 | 143 | 1842 |
| | P2 = 5.93 | RAM | 1.10 | 1.93 | -.91 | -.00 | 1.11 | 1.10 | -.00 |
| | T2 = 774 | BLEED | .34 | -6.89 | 6.32 | -.55 | -2.06 | .34 | -.00 |
| | ERI = 0 | POWER | .94 | -5.49 | 7.95 | .11 | .50 | .94 | .00 |
| 2.50 | NR = .870 | 14.9 | 16000 | 3460 | 1.55 | 1565 | 53.6 | 202 | 1979 |
| | P2 = 12.20 | RAM | 1.15 | 1.93 | -.85 | -.00 | 1.16 | 1.15 | -.00 |
| | T2 = 963 | BLEED | 1.68 | -8.57 | 8.47 | -.50 | -2.18 | 1.68 | .00 |
| | ERI = 0 | POWER | 2.98 | -2.58 | 4.80 | .07 | .31 | 2.98 | .00 |
| 2.80 | NR = .834 | 22.8 | 22000 | 3180 | 1.76 | 1648 | 60.8 | 249 | 2042 |
| | P2 = 18.64 | RAM | 1.20 | 2.44 | -1.11 | -.00 | 1.21 | 1.20 | -.00 |
| | T2 = 1095 | BLEED | .40 | -12.11 | 13.28 | -.55 | -2.33 | .40 | .01 |
| | ERI = 0 | POWER | .54 | -3.71 | 5.99 | .04 | .21 | .54 | .02 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FN8 | SFCB | W2K | BTANG |
|------|-------|--------|-------|-------|-------|-------|--------|-------|------|-------|
| 1.50 | 3.57 | 5.59 | 2813 | 1251 | 1379 | 6760 | 2490 | 1.13 | 497 | 6.6 |
| | RAM | 1.09 | 1.06 | -.00 | -.02 | 1.31 | 1.73 | -.73 | .04 | .00 |
| | BLEED | -4.25 | -.85 | -.42 | 3.17 | -2.15 | -5.93 | 5.58 | .06 | .00 |
| | POWER | -17.88 | 4.71 | -.12 | 17.64 | -4.21 | -11.36 | 16.41 | -.04 | .00 |
| 2.00 | 7.25 | 9.50 | 4091 | 1340 | 1334 | 12300 | 3250 | 1.26 | 432 | 6.6 |
| | RAM | 1.10 | 1.11 | .00 | .00 | 1.28 | 1.77 | -.72 | .02 | .00 |
| | BLEED | -2.78 | -1.23 | -.67 | 1.76 | -1.47 | -6.48 | 5.81 | .34 | .00 |
| | POWER | -7.28 | 2.34 | -.82 | 7.65 | -.66 | -5.10 | 7.55 | .94 | .00 |
| 2.50 | 14.9 | 16.80 | 5366 | 1475 | 1133 | 19800 | 3780 | 1.42 | 332 | 3.0 |
| | RAM | 1.17 | 1.16 | .01 | -.01 | 1.29 | 1.87 | -.78 | .00 | .00 |
| | BLEED | -2.66 | -1.19 | -1.00 | 2.76 | -.21 | -8.22 | 8.02 | 1.68 | .00 |
| | POWER | -4.45 | 2.17 | -1.13 | 6.62 | 1.84 | -2.98 | 5.22 | 2.98 | .00 |
| 2.80 | 22.8 | 22.65 | 5600 | 1524 | 1053 | 25500 | 3500 | 1.60 | 285 | .0 |
| | RAM | 1.21 | 1.20 | .00 | -.01 | 1.33 | 2.12 | -.84 | .00 | .00 |
| | BLEED | -2.54 | -1.24 | -.52 | 1.65 | -1.14 | -10.88 | 11.53 | .40 | .00 |
| | POWER | -3.61 | 2.19 | -.24 | 3.92 | .06 | -2.99 | 5.25 | .54 | .00 |

GEI 84219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|--------|------|-------|------|------|
| 1.50 | NR = .971 | 3.57 | 4270 | 2180 | 1.29 | 1239 | 24.3 | 90 | 1765 |
| | P2 = 2.92 | RAM | 1.07 | 2.18 | -1.26 | -.01 | 1.06 | 1.07 | .00 |
| | T2 = 624 | BLEED | .06 | -6.33 | 6.06 | -.51 | -1.85 | .06 | .00 |
| | ERI = 0 | POWER | -.04 | -9.77 | 14.73 | .26 | 1.04 | -.04 | .04 |
| 2.00 | NR = .925 | 7.25 | 9020 | 3070 | 1.33 | 1404 | 38.1 | 143 | 1842 |
| | P2 = 5.93 | RAM | 1.10 | 1.93 | -.91 | -.00 | 1.11 | 1.10 | -.00 |
| | T2 = 774 | BLEED | .34 | -6.89 | 6.32 | -.55 | -2.06 | .34 | -.00 |
| | ERI = 0 | POWER | .94 | -5.49 | 7.95 | .11 | .50 | .94 | .00 |
| 2.50 | NR = .870 | 14.9 | 16700 | 2700 | 1.67 | 1555 | 51.8 | 211 | 1825 |
| | P2 = 12.20 | RAM | 1.16 | 2.22 | -1.21 | -.00 | 1.16 | 1.16 | -.01 |
| | T2 = 963 | BLEED | .06 | -4.21 | 7.97 | -.36 | -1.42 | .06 | 1.96 |
| | ERI = 0 | POWER | -.20 | 14.76 | -.12 | .48 | 2.66 | -.20 | 5.36 |
| 2.80 | NR = .834 | 22.8 | 22500 | 930 | 3.49 | 1620 | 55.4 | 254 | 1662 |
| | P2 = 18.64 | RAM | 1.20 | 5.32 | -3.29 | -.00 | 1.20 | 1.20 | -.01 |
| | T2 = 1095 | BLEED | .02 | -16.56 | 28.90 | -.42 | -1.52 | .02 | 1.91 |
| | ERI = 0 | POWER | -.03 | 43.50 | -20.56 | .47 | 2.63 | -.03 | 5.21 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 9.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|--------|-------|------|-------|-------|--------|--------|------|-------|
| 1.50 | 3.57 | 5.59 | 2813 | 1251 | 1379 | 6760 | 2490 | 1.13 | 497 | 6.6 |
| | RAM | 1.09 | 1.06 | -.00 | -.02 | 1.31 | 1.73 | -.73 | .04 | .00 |
| | BLEED | -4.25 | -.85 | -.42 | 3.17 | -2.15 | -5.93 | 5.58 | .06 | .00 |
| | POWER | -17.88 | 4.71 | -.12 | 17.64 | -4.21 | -11.36 | 16.41 | -.04 | .00 |
| 2.00 | 7.25 | 9.50 | 4091 | 1340 | 1334 | 12300 | 3250 | 1.26 | 432 | 6.6 |
| | RAM | 1.10 | 1.11 | .00 | .00 | 1.28 | 1.77 | -.72 | .02 | .00 |
| | BLEED | -2.78 | -1.23 | -.67 | 1.76 | -1.47 | -6.48 | 5.81 | .34 | .00 |
| | POWER | -7.28 | 2.34 | -.82 | 7.65 | -.66 | -5.10 | 7.55 | .94 | .00 |
| 2.50 | 14.9 | 15.24 | 4501 | 1378 | 1249 | 19600 | 2960 | 1.52 | 346 | 3.0 |
| | RAM | 1.16 | 1.14 | -.00 | .00 | 1.30 | 2.08 | -1.05 | .01 | .00 |
| | BLEED | -.47 | 3.25 | .83 | .00 | -.54 | -3.93 | 7.64 | .06 | .00 |
| | POWER | 1.74 | 14.64 | 3.44 | .00 | 1.91 | 13.80 | .79 | -.20 | .00 |
| 2.80 | 22.8 | 18.06 | 3259 | 1341 | 1249 | 23700 | 1220 | 2.67 | 291 | .0 |
| | RAM | 1.20 | 1.16 | -.00 | -.00 | 1.34 | 3.83 | -2.25 | .01 | .00 |
| | BLEED | -.53 | 5.17 | .76 | .00 | -.62 | -12.60 | 21.90 | .02 | .00 |
| | POWER | 1.50 | 19.42 | 2.77 | .00 | 1.67 | 33.04 | -12.05 | -.03 | .00 |

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CEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|--------|------|-------|------|-------|
| 1.50 | NR = .971 | 3.57 | 4270 | 1750 | 1.41 | 1231 | 23.6 | 90 | 1622 |
| | P2 = 2.92 | RAM | 1.07 | 2.42 | -1.59 | -.01 | 1.05 | 1.07 | -.02 |
| | T2 = 624 | BLEED | .04 | -1.94 | 4.46 | -.34 | -1.16 | .04 | 2.10 |
| | ERI = 0 | POWER | -.13 | 22.56 | 1.99 | 1.17 | 5.48 | -.13 | 12.59 |
| 2.00 | NR = .925 | 7.25 | 9100 | 2050 | 1.54 | 1388 | 36.1 | 144 | 1598 |
| | P2 = 5.93 | RAM | 1.11 | 2.27 | -1.35 | -.00 | 1.10 | 1.11 | -.01 |
| | T2 = 774 | BLEED | .02 | -2.58 | 6.30 | -.24 | -1.16 | .02 | 2.26 |
| | ERI = 0 | POWER | -.04 | 18.61 | .59 | .74 | 3.77 | -.04 | 8.10 |
| 2.50 | NR = .870 | 14.9 | 16900 | 660 | 4.03 | 1533 | 47.6 | 214 | 1473 |
| | P2 = 12.20 | RAM | 1.16 | 5.25 | -5.60 | -.00 | 1.16 | 1.16 | -.01 |
| | T2 = 963 | BLEED | .02 | -15.79 | 28.06 | -.32 | -1.39 | .02 | 2.05 |
| | ERI = 0 | POWER | -.02 | 53.56 | -26.72 | .43 | 2.88 | -.02 | 5.98 |
| 2.80 | NR = .834 | 22.8 | 22500 | -1240 | -1.095 | 1593 | 50.4 | 254 | 1319 |
| | P2 = 18.64 | RAM | 1.20 | -1.80 | 3.23 | -.00 | 1.20 | 1.20 | -.01 |
| | T2 = 1095 | BLEED | .02 | 11.98 | .15 | -.36 | -1.54 | .02 | 1.83 |
| | ERI = 0 | POWER | -.02 | -29.27 | 80.73 | .57 | 3.16 | -.02 | 6.00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.11.0

JANUARY 1964

STANDARD DAY + 40 F PRESSURE ALTITUDE 65000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|--------|--------|------|-------|
| 1.50 | 3.57 | 4.68 | 2476 | 1178 | 1587 | 6270 | 2000 | 1.24 | 498 | 6.6 |
| | RAM | 1.06 | 1.02 | -.02 | .00 | 1.33 | 1.89 | -.96 | .04 | .00 |
| | BLEED | -.39 | 2.38 | 1.09 | .00 | -.49 | -1.61 | 4.09 | .04 | .00 |
| | POWER | 4.74 | 24.63 | 8.88 | .00 | 5.84 | 18.57 | 5.86 | -.13 | .00 |
| 2.00 | 7.25 | 7.56 | 3142 | 1208 | 1587 | 11300 | 2150 | 1.46 | 436 | 6.6 |
| | RAM | 1.10 | 1.07 | -.01 | .00 | 1.30 | 2.13 | -1.18 | .03 | .00 |
| | BLEED | -.38 | 3.48 | 1.12 | .00 | -.45 | -2.44 | 6.14 | .02 | .00 |
| | POWER | 2.78 | 19.24 | 5.28 | .00 | 3.34 | 17.59 | 1.57 | -.04 | .00 |
| 2.50 | 14.9 | 11.18 | 2669 | 1207 | 1587 | 17800 | 870 | 3.07 | 351 | 3.0 |
| | RAM | 1.16 | 1.12 | -.01 | .00 | 1.32 | 4.48 | -4.34 | .01 | .00 |
| | BLEED | -.51 | 5.62 | .88 | .00 | -.58 | -12.24 | 21.87 | .02 | .00 |
| | POWER | 1.77 | 21.50 | 3.27 | .00 | 2.01 | 41.52 | -17.33 | -.02 | .00 |
| 2.80 | 22.8 | 13.24 | 1356 | 1197 | 1587 | 21500 | -1030 | -1.320 | 292 | .0 |
| | RAM | 1.20 | 1.13 | -.00 | -.00 | 1.36 | -2.13 | 3.66 | .01 | .00 |
| | BLEED | -.59 | 12.15 | .72 | .00 | -.67 | 14.46 | -1.90 | .02 | .00 |
| | POWER | 1.45 | 42.63 | 2.74 | .00 | 1.66 | -35.33 | 89.83 | -.02 | .00 |

14. 75000 FLEET

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GEI 84219

CONFIDENTIAL

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| 2.50 | NR = .870 | 14.9 | 11100 | 11600 | 2.20 | 1509 | 39.2 | 147 | 1939 |
| | P2 = 7.55 | RAM | 1.16 | 1.33 | -.36 | -.00 | 1.17 | 1.16 | -.00 |
| | T2 = 887 | BLEED | 1.10 | -1.96 | 3.10 | -.49 | -2.13 | 1.10 | -.00 |
| | ERI = 1 | POWER | 3.10 | -.19 | 5.44 | .12 | .56 | 3.10 | -.01 |
| 2.70 | NR = .846 | 19.8 | 13500 | 12800 | 2.11 | 1567 | 43.5 | 165 | 1981 |
| | P2 = 10.02 | RAM | 1.18 | 1.36 | -.28 | -.00 | 1.20 | 1.18 | -.00 |
| | T2 = 967 | BLEED | 1.64 | -1.88 | 3.34 | -.50 | -2.19 | 1.64 | .00 |
| | ERI = 1 | POWER | 3.52 | -.08 | 5.21 | .07 | .37 | 3.52 | .00 |
| 3.00 | NR = .809 | 29.9 | 18300 | 14500 | 2.13 | 1649 | 49.1 | 202 | 2042 |
| | P2 = 15.16 | RAM | 1.24 | 1.38 | -.20 | -.00 | 1.25 | 1.24 | -.00 |
| | T2 = 1097 | BLEED | .40 | -2.35 | 2.18 | -.55 | -2.34 | .40 | .01 |
| | ERI = 1 | POWER | .67 | -.34 | 1.80 | .05 | .25 | .67 | .02 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 1.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|-------|-------|-------|------|------|-------|
| 2.50 | 14.9 | 17.01 | 25494 | 3400 | 2069 | 23500 | 12400 | 2.06 | 373 | .0 |
| | RAM | 1.18 | .99 | .00 | -.03 | 1.29 | 1.41 | -.46 | .01 | .00 |
| | BLEED | -3.14 | 1.05 | .00 | 3.28 | -.27 | -1.50 | 2.61 | 1.10 | .00 |
| | POWER | -7.83 | 5.24 | .00 | 10.78 | 2.21 | 1.41 | 3.82 | 3.10 | .00 |
| 2.70 | 19.8 | 21.25 | 26979 | 3400 | 1865 | 27000 | 13500 | 1.99 | 330 | .0 |
| | RAM | 1.20 | 1.06 | -.00 | -.02 | 1.31 | 1.45 | -.36 | .00 | .00 |
| | BLEED | -2.94 | 1.36 | .00 | 3.61 | .31 | -1.02 | 2.42 | 1.64 | .00 |
| | POWER | -6.15 | 5.12 | .00 | 9.56 | 2.89 | 2.26 | 2.84 | 3.52 | .00 |
| 3.00 | 29.9 | 28.63 | 30869 | 3400 | 1693 | 34000 | 15600 | 1.97 | 284 | .0 |
| | RAM | 1.25 | 1.17 | -.00 | -.01 | 1.37 | 1.51 | -.32 | .01 | .00 |
| | BLEED | -2.68 | -.25 | .00 | 2.09 | -.85 | -2.33 | 2.15 | .40 | .00 |
| | POWER | -4.81 | 1.45 | .00 | 5.37 | .23 | -.29 | 1.74 | .67 | .00 |

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GEI 84219

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| 2.50 | NR = .870 | 14.9 | 11100 | 10400 | 2.02 | 1509 | 39.2 | 147 | 1939 |
| | P2 = 7.55 | RAM | 1.16 | 1.34 | -.35 | -.00 | 1.17 | 1.16 | -.00 |
| | T2 = 887 | BLEED | 1.10 | -3.73 | 2.18 | -.49 | -2.13 | 1.10 | -.00 |
| | ERI = 0 | POWER | 3.10 | -2.99 | 3.93 | .12 | .56 | 3.10 | -.01 |
| 2.70 | NR = .846 | 19.8 | 13500 | 11500 | 1.99 | 1567 | 43.5 | 165 | 1981 |
| | P2 = 10.02 | RAM | 1.18 | 1.36 | -.29 | -.00 | 1.20 | 1.18 | -.00 |
| | T2 = 967 | BLEED | 1.64 | -3.48 | 1.84 | -.50 | -2.19 | 1.64 | .00 |
| | ERI = 0 | POWER | 3.52 | -.90 | 1.66 | .07 | .37 | 3.52 | .00 |
| 3.00 | NR = .809 | 29.9 | 18300 | 12500 | 2.01 | 1649 | 49.1 | 202 | 2042 |
| | P2 = 15.16 | RAM | 1.24 | 1.35 | -.23 | -.00 | 1.25 | 1.24 | -.00 |
| | T2 = 1097 | BLEED | .40 | -3.87 | 2.12 | -.55 | -2.34 | .40 | .01 |
| | ERI = 0 | POWER | .67 | -1.14 | 1.81 | .05 | .25 | .67 | .02 |

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GE1 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 2.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

| MO | P2/P0 | P8/P0 | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| 2.50 | 14.9 | 17.15 | 21096 | 3083 | 1933 | 22100 | 11000 | 1.92 | 373 | .0 |
| | RAM | 1.18 | 1.01 | -.02 | -.04 | 1.28 | 1.41 | -.44 | .01 | .00 |
| | BLEED | -2.97 | -1.67 | -1.38 | 2.26 | -1.11 | -3.34 | 1.76 | 1.10 | .00 |
| | POWER | -7.46 | .90 | -2.17 | 9.14 | .89 | -1.35 | 2.26 | 3.10 | .00 |
| 2.70 | 19.8 | 21.38 | 22907 | 3117 | 1759 | 25600 | 12100 | 1.89 | 330 | .0 |
| | RAM | 1.20 | 1.04 | -.01 | -.03 | 1.31 | 1.44 | -.37 | .00 | .00 |
| | BLEED | -2.79 | -1.73 | -1.61 | 2.43 | -.68 | -3.26 | 1.61 | 1.64 | .00 |
| | POWER | -5.88 | .76 | -2.22 | 7.89 | 1.53 | -.69 | 1.45 | 3.52 | .00 |
| 3.00 | 29.9 | 28.80 | 25113 | 3056 | 1579 | 31800 | 13400 | 1.87 | 284 | .0 |
| | RAM | 1.26 | 1.10 | -.04 | -.03 | 1.34 | 1.48 | -.35 | .01 | .00 |
| | BLEED | -2.61 | -1.87 | -.87 | 1.49 | -1.37 | -3.79 | 2.03 | .40 | .00 |
| | POWER | -4.72 | .66 | -.45 | 4.99 | -.03 | -.99 | 1.66 | .67 | .00 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| 2.50 | NR = .870 | 14.9 | 11100 | 8120 | 1.75 | 1509 | 39.2 | 147 | 1939 |
| | P2 = 7.55 | RAM | 1.16 | 1.47 | -.45 | -.00 | 1.17 | 1.16 | -.00 |
| | T2 = 887 | BLEED | 1.10 | -4.17 | 2.68 | -.49 | -2.13 | 1.10 | -.00 |
| | ERI = 0 | POWER | 3.10 | -2.69 | 3.85 | .12 | .56 | 3.10 | -.01 |
| 2.70 | NR = .846 | 19.8 | 13500 | 8790 | 1.76 | 1567 | 43.5 | 165 | 1981 |
| | P2 = 10.02 | RAM | 1.18 | 1.44 | -.34 | -.00 | 1.20 | 1.18 | -.00 |
| | T2 = 967 | BLEED | 1.64 | -4.00 | 2.44 | -.50 | -2.19 | 1.64 | .00 |
| | ERI = 0 | POWER | 3.52 | -1.20 | 2.19 | .07 | .37 | 3.52 | .00 |
| 3.00 | NR = .809 | 29.9 | 18300 | 9410 | 1.79 | 1649 | 49.1 | 202 | 2042 |
| | P2 = 15.16 | RAM | 1.24 | 1.47 | -.31 | -.00 | 1.25 | 1.24 | -.00 |
| | T2 = 1097 | BLEED | .40 | -4.73 | 3.11 | -.55 | -2.34 | .40 | .01 |
| | ERI = 0 | POWER | .67 | -1.55 | 2.45 | .05 | .25 | .67 | .02 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 3.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| 2.50 | 14.9 | 17.42 | 14243 | 2479 | 1681 | 19400 | 8290 | 1.72 | 373 | .0 |
| | RAM | 1.17 | 1.05 | .00 | -.02 | 1.29 | 1.47 | -.46 | .01 | .00 |
| | BLEED | -2.90 | -1.66 | -1.36 | 2.23 | -1.05 | -3.94 | 2.42 | 1.10 | .00 |
| | POWER | -7.18 | 1.12 | -2.10 | 8.92 | 1.03 | -1.74 | 2.88 | 3.10 | .00 |
| 2.70 | 19.8 | 21.64 | 15457 | 2519 | 1540 | 22500 | 9040 | 1.71 | 330 | .0 |
| | RAM | 1.20 | 1.08 | .01 | -.02 | 1.31 | 1.51 | -.40 | .00 | .00 |
| | BLEED | -2.73 | -1.71 | -1.57 | 2.42 | -.61 | -3.98 | 2.41 | 1.64 | .00 |
| | POWER | -5.69 | .98 | -2.11 | 7.74 | 1.66 | -1.12 | 2.11 | 3.52 | .00 |
| 3.00 | 29.9 | 29.08 | 16885 | 2498 | 1396 | 28100 | 9820 | 1.72 | 284 | .0 |
| | RAM | 1.25 | 1.14 | -.02 | -.02 | 1.35 | 1.55 | -.38 | .01 | .00 |
| | BLEED | -2.58 | -1.85 | -.86 | 1.49 | -1.34 | -4.60 | 2.96 | .40 | .00 |
| | POWER | -4.63 | .89 | -.44 | 4.94 | .00 | -1.24 | 2.14 | .67 | .00 |

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GEI 84210

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|-------|------|------|-------|------|------|
| 2.50 | NR = .870 | 14.9 | 11100 | 5980 | 1.60 | 1509 | 39.2 | 147 | 1939 |
| | P2 = 7.55 | RAM | 1.16 | 1.12 | -.66 | -.00 | 1.17 | 1.16 | -.00 |
| | T2 = 887 | BLEED | 1.10 | -3.97 | 3.66 | -.49 | -2.13 | 1.10 | -.00 |
| | ERI = 0 | POWER | 3.10 | -2.64 | 3.82 | .12 | .56 | 3.10 | -.01 |
| 2.70 | NR = .846 | 19.8 | 13500 | 6090 | 1.62 | 1567 | 43.5 | 165 | 1981 |
| | P2 = 10.02 | RAM | 1.18 | 1.05 | -.50 | -.00 | 1.20 | 1.18 | -.00 |
| | T2 = 967 | BLEED | 1.64 | -4.13 | 3.84 | -.50 | -2.19 | 1.64 | .00 |
| | ERI = 0 | POWER | 3.52 | -1.82 | 3.01 | .07 | .37 | 3.52 | .00 |
| 3.00 | NR = .809 | 29.9 | 18300 | 5930 | 1.69 | 1649 | 49.1 | 202 | 2042 |
| | P2 = 15.16 | RAM | 1.24 | 1.00 | -.42 | -.00 | 1.25 | 1.24 | -.00 |
| | T2 = 1097 | BLEED | .40 | -5.37 | 5.23 | -.55 | -2.34 | .40 | .01 |
| | ERI = 0 | POWER | .67 | -2.40 | 3.65 | .05 | .25 | .67 | .02 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 4.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|-------|-------|-------|------|-------|-------|------|------|-------|
| 2.50 | 14.9 | 17.61 | 9595 | 2017 | 1487 | 17200 | 6120 | 1.57 | 373 | .0 |
| | RAM | 1.19 | .50 | -.29 | -.19 | 1.14 | 1.10 | -.64 | .01 | .00 |
| | BLEED | -2.89 | -.53 | -.71 | 2.58 | -.66 | -3.85 | 3.52 | 1.10 | .00 |
| | POWER | -6.99 | 1.16 | -2.03 | 8.76 | 1.14 | -2.43 | 3.61 | 3.10 | .00 |
| 2.70 | 19.8 | 21.86 | 9848 | 2008 | 1348 | 19800 | 6270 | 1.57 | 330 | .0 |
| | RAM | 1.21 | .53 | -.26 | -.17 | 1.15 | 1.08 | -.53 | .00 | .00 |
| | BLEED | -2.71 | -.54 | -.91 | 2.81 | -.19 | -4.13 | 3.84 | 1.64 | .00 |
| | POWER | -5.54 | 1.17 | -2.02 | 7.76 | 1.79 | -1.93 | 3.13 | 3.52 | .00 |
| 3.00 | 29.9 | 29.34 | 10024 | 1967 | 1216 | 24500 | 6180 | 1.62 | 284 | .0 |
| | RAM | 1.26 | .56 | -.25 | -.15 | 1.21 | 1.09 | -.50 | .01 | .00 |
| | BLEED | -2.57 | -.57 | -.27 | 1.81 | -.98 | -5.10 | 4.91 | .40 | .00 |
| | POWER | -4.54 | 1.22 | -.44 | 4.81 | .02 | -1.89 | 3.13 | .67 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE

75000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|-------|------|-------|------|------|
| 1.80 | NR = .945 | 5.43 | 4430 | 2030 | 1.21 | 1273 | 21.8 | 81 | 1765 |
| | P2 = 2.75 | RAM | 1.10 | 1.89 | -.87 | -.01 | 1.10 | 1.10 | .00 |
| | T2 = 652 | BLEED | .05 | -6.22 | 5.96 | -.50 | -1.87 | .05 | -.00 |
| | ERI = 0 | POWER | -.04 | -10.75 | 16.76 | .31 | 1.26 | -.04 | .00 |
| 2.00 | NR = .925 | 7.24 | 5960 | 2280 | 1.25 | 1341 | 26.3 | 98 | 1787 |
| | P2 = 3.67 | RAM | 1.12 | 1.83 | -.78 | -.01 | 1.11 | 1.12 | .00 |
| | T2 = 712 | BLEED | .07 | -6.59 | 6.22 | -.53 | -1.96 | .07 | .00 |
| | ERI = 0 | POWER | .10 | -9.12 | 13.27 | .18 | .85 | .10 | -.08 |
| 2.30 | NR = .893 | 11.2 | 8830 | 2710 | 1.33 | 1442 | 33.8 | 127 | 1877 |
| | P2 = 5.67 | RAM | 1.14 | 1.80 | -.71 | -.00 | 1.15 | 1.14 | .00 |
| | T2 = 813 | BLEED | .36 | -6.92 | 6.26 | -.55 | -2.12 | .36 | -.01 |
| | ERI = 0 | POWER | 1.11 | -4.99 | 7.74 | .12 | .57 | 1.11 | .00 |
| 2.50 | NR = .870 | 14.9 | 11100 | 2910 | 1.41 | 1509 | 39.2 | 147 | 1939 |
| | P2 = 7.55 | RAM | 1.16 | 1.95 | -.87 | -.00 | 1.17 | 1.16 | -.00 |
| | T2 = 887 | BLEED | 1.10 | -7.58 | 7.14 | -.49 | -2.13 | 1.10 | -.00 |
| | ERI = 0 | POWER | 3.10 | -3.05 | 5.82 | .12 | .56 | 3.10 | -.01 |
| 2.70 | NR = .846 | 19.8 | 13500 | 2930 | 1.49 | 1567 | 43.5 | 165 | 1981 |
| | P2 = 10.02 | RAM | 1.18 | 2.02 | -.75 | -.00 | 1.20 | 1.18 | -.00 |
| | T2 = 967 | BLEED | 1.64 | -8.44 | 8.27 | -.50 | -2.19 | 1.64 | .00 |
| | ERI = 0 | POWER | 3.52 | -2.76 | 5.46 | .07 | .37 | 3.52 | .00 |
| 3.00 | NR = .809 | 29.9 | 18300 | 2680 | 1.69 | 1649 | 49.1 | 202 | 2042 |
| | P2 = 15.16 | RAM | 1.24 | 2.06 | -.75 | -.00 | 1.25 | 1.24 | -.00 |
| | T2 = 1097 | BLEED | .40 | -11.59 | 12.51 | -.55 | -2.34 | .40 | .01 |
| | ERI = 0 | POWER | .67 | -3.85 | 6.64 | .05 | .25 | .67 | .02 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S. 5.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FNB | SFCB | W2K | BTANG |
|------|-------|--------|-------|-------|-------|-------|--------|-------|------|-------|
| 1.80 | 5.43 | 7.94 | 2467 | 1260 | 1415 | 6560 | 2140 | 1.15 | 485 | 6.6 |
| | RAM | 1.15 | 1.10 | -.00 | -.05 | 1.31 | 1.73 | -.69 | .05 | .00 |
| | BLEED | -4.57 | -.82 | -.40 | 3.51 | -2.00 | -6.24 | 5.98 | .05 | .00 |
| | POWER | -22.19 | 5.72 | .03 | 22.05 | -4.04 | -12.33 | 18.42 | -.04 | .00 |
| 2.00 | 7.24 | 9.90 | 2858 | 1290 | 1394 | 8350 | 2390 | 1.20 | 461 | 6.6 |
| | RAM | 1.13 | 1.12 | .00 | -.01 | 1.29 | 1.73 | -.67 | .04 | .00 |
| | BLEED | -3.64 | -.98 | -.48 | 2.49 | -1.76 | -6.33 | 5.90 | .07 | .00 |
| | POWER | -14.24 | 3.91 | -.48 | 13.92 | -2.38 | -8.58 | 12.71 | .10 | .00 |
| 2.30 | 11.2 | 14.15 | 3600 | 1371 | 1299 | 11700 | 2850 | 1.27 | 411 | 3.0 |
| | RAM | 1.14 | 1.15 | .00 | .00 | 1.29 | 1.74 | -.65 | .03 | .00 |
| | BLEED | -2.61 | -1.31 | -.69 | 1.60 | -1.35 | -6.65 | 5.92 | .36 | .00 |
| | POWER | -7.73 | 2.65 | -.91 | 8.21 | -.36 | -4.92 | 7.67 | 1.11 | .00 |
| 2.50 | 14.9 | 17.86 | 4095 | 1430 | 1221 | 14200 | 3100 | 1.32 | 373 | .0 |
| | RAM | 1.17 | 1.17 | .01 | -.01 | 1.29 | 1.77 | -.66 | .01 | .00 |
| | BLEED | -2.81 | -1.24 | -.89 | 2.41 | -.72 | -7.26 | 6.76 | 1.10 | .00 |
| | POWER | -6.77 | 2.71 | -1.37 | 8.88 | 1.59 | -3.84 | 6.63 | 3.10 | .00 |
| 2.70 | 19.8 | 22.10 | 4348 | 1475 | 1132 | 16600 | 3110 | 1.40 | 330 | .0 |
| | RAM | 1.20 | 1.19 | .01 | -.01 | 1.31 | 1.87 | -.62 | .00 | .00 |
| | BLEED | -2.65 | -1.21 | -.98 | 2.70 | -.20 | -8.19 | 7.96 | 1.64 | .00 |
| | POWER | -5.39 | 2.66 | -1.34 | 7.95 | 2.24 | -3.32 | 6.04 | 3.52 | .00 |
| 3.00 | 29.9 | 29.55 | 4524 | 1524 | 1054 | 21200 | 2880 | 1.57 | 284 | .0 |
| | RAM | 1.25 | 1.24 | .00 | -.01 | 1.36 | 2.09 | -.77 | .01 | .00 |
| | BLEED | -2.54 | -1.25 | -.52 | 1.65 | -1.11 | -10.77 | 11.34 | .40 | .00 |
| | POWER | -4.47 | 2.71 | -.30 | 4.86 | .13 | -3.34 | 6.11 | .67 | .00 |

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GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.10.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

| MO | | P2/P0 | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|--------|------|-------|------|------|
| 1.80 | NR = .945 | 5.43 | 4430 | 2030 | 1.21 | 1273 | 21.8 | 81 | 1765 |
| | P2 = 2.75 | RAM | 1.10 | 1.89 | -.87 | -.01 | 1.10 | 1.10 | .00 |
| | T2 = 652 | BLEED | .05 | -6.22 | 5.96 | -.50 | -1.87 | .05 | -.00 |
| | ERI = 0 | POWER | -.04 | -10.75 | 16.76 | .31 | 1.26 | -.04 | .00 |
| 2.00 | NR = .925 | 7.24 | 5960 | 2280 | 1.25 | 1341 | 26.3 | 98 | 1787 |
| | P2 = 3.67 | RAM | 1.12 | 1.83 | -.78 | -.01 | 1.11 | 1.12 | .00 |
| | T2 = 712 | BLEED | .07 | -6.59 | 6.22 | -.53 | -1.96 | .07 | .00 |
| | ERI = 0 | POWER | .10 | -9.12 | 13.27 | .18 | .85 | .10 | -.08 |
| 2.30 | NR = .893 | 11.2 | 8830 | 2710 | 1.33 | 1442 | 33.8 | 127 | 1877 |
| | P2 = 5.67 | RAM | 1.14 | 1.80 | -.71 | -.00 | 1.15 | 1.14 | -.00 |
| | T2 = 813 | BLEED | .36 | -6.91 | 6.26 | -.55 | -2.11 | .36 | -.00 |
| | ERI = 0 | POWER | 1.11 | -4.92 | 7.73 | .13 | .59 | 1.11 | .04 |
| 2.50 | NR = .870 | 14.9 | 11200 | 2780 | 1.42 | 1507 | 38.9 | 148 | 1904 |
| | P2 = 7.55 | RAM | 1.16 | 1.95 | -.88 | -.00 | 1.16 | 1.16 | -.01 |
| | T2 = 887 | BLEED | .43 | -4.85 | 6.46 | -.39 | -1.65 | .43 | 1.21 |
| | ERI = 0 | POWER | -.27 | 12.50 | 2.64 | .66 | 3.12 | -.27 | 6.19 |
| 2.70 | NR = .846 | 19.8 | 14000 | 2260 | 1.61 | 1557 | 42.0 | 172 | 1821 |
| | P2 = 10.02 | RAM | 1.20 | 2.16 | -.90 | -.00 | 1.19 | 1.20 | -.01 |
| | T2 = 967 | BLEED | .07 | -4.51 | 8.17 | -.37 | -1.45 | .07 | 1.89 |
| | ERI = 0 | POWER | -.24 | 18.47 | -.32 | .60 | 3.31 | -.24 | 6.65 |
| 3.00 | NR = .809 | 29.9 | 18700 | 880 | 3.01 | 1622 | 44.8 | 206 | 1665 |
| | P2 = 15.16 | RAM | 1.25 | 4.08 | -2.39 | -.00 | 1.24 | 1.25 | -.01 |
| | T2 = 1097 | BLEED | .02 | -14.79 | 25.39 | -.43 | -1.56 | .02 | 1.84 |
| | ERI = 0 | POWER | -.03 | 44.45 | -18.57 | .56 | 3.12 | -.03 | 6.17 |

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GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.10.0

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FGB | FNB | SFCB | W2K | BTANG |
|------|-------|--------|-------|------|-------|-------|--------|--------|------|-------|
| 1.80 | 5.43 | 7.94 | 2467 | 1260 | 1415 | 6560 | 2140 | 1.15 | 485 | 6.6 |
| | RAM | 1.15 | 1.10 | -.00 | -.05 | 1.31 | 1.73 | -.69 | .05 | .00 |
| | BLEED | -4.57 | -.82 | -.40 | 3.51 | -2.00 | -6.24 | 5.98 | .05 | .00 |
| | POWER | -22.19 | 5.72 | .03 | 22.05 | -4.04 | -12.33 | 18.42 | -.04 | .00 |
| 2.00 | 7.24 | 9.90 | 2858 | 1290 | 1394 | 8350 | 2390 | 1.20 | 461 | 6.6 |
| | RAM | 1.13 | 1.12 | .00 | -.01 | 1.29 | 1.73 | -.67 | .04 | .00 |
| | BLEED | -3.64 | -.98 | -.48 | 2.49 | -1.76 | -6.33 | 5.90 | .07 | .00 |
| | POWER | -14.24 | 3.91 | -.48 | 13.92 | -2.38 | -8.58 | 12.71 | .10 | .00 |
| 2.30 | 11.2 | 14.15 | 3600 | 1370 | 1299 | 11700 | 2840 | 1.27 | 411 | 3.0 |
| | RAM | 1.14 | 1.15 | .00 | .00 | 1.29 | 1.74 | -.65 | .03 | .00 |
| | BLEED | -2.60 | -1.30 | -.69 | 1.60 | -1.35 | -6.64 | 5.92 | .36 | .00 |
| | POWER | -7.70 | 2.71 | -.89 | 8.19 | -.34 | -4.85 | 7.66 | 1.11 | .00 |
| 2.50 | 14.9 | 17.47 | 3950 | 1406 | 1249 | 14200 | 2960 | 1.33 | 377 | .0 |
| | RAM | 1.16 | 1.15 | -.00 | .00 | 1.29 | 1.79 | -.70 | .02 | .00 |
| | BLEED | -1.38 | 1.14 | .20 | .91 | -.61 | -4.56 | 6.12 | .43 | .00 |
| | POWER | .68 | 15.24 | 4.26 | 1.32 | 2.18 | 11.46 | 3.65 | -.27 | .00 |
| 2.70 | 19.8 | 19.97 | 3623 | 1376 | 1249 | 16500 | 2420 | 1.50 | 344 | .0 |
| | RAM | 1.19 | 1.17 | -.00 | -.00 | 1.32 | 2.07 | -.82 | .01 | .00 |
| | BLEED | -.56 | 3.10 | .78 | .00 | -.55 | -4.16 | 7.74 | .07 | .00 |
| | POWER | 2.10 | 18.14 | 4.25 | .00 | 2.33 | 17.29 | .81 | -.24 | .00 |
| 3.00 | 29.9 | 23.61 | 2651 | 1343 | 1249 | 19800 | 1060 | 2.50 | 290 | .0 |
| | RAM | 1.25 | 1.20 | -.00 | -.00 | 1.37 | 3.54 | -1.98 | .01 | .00 |
| | BLEED | -.61 | 4.97 | .72 | .00 | -.64 | -12.35 | 21.26 | .02 | .00 |
| | POWER | 1.48 | 23.25 | 3.28 | .00 | 1.96 | 37.16 | -12.43 | -.03 | .00 |

GEI 84219

CONFIDENTIAL**GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE**

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

| M0 | | P2/PO | FD | FN | SFC | TE | PE | W2 | TC |
|------|------------|-------|-------|--------|--------|------|-------|------|-------|
| 1.80 | NR = .945 | 5.43 | 4430 | 1570 | 1.35 | 1264 | 21.1 | 81 | 1600 |
| | P2 = 2.75 | RAM | 1.11 | 2.01 | -1.07 | -.01 | 1.09 | 1.11 | -.03 |
| | T2 = 652 | BLEED | .03 | -2.01 | 4.61 | -.35 | -1.19 | .03 | 2.08 |
| | ERI = 0 | POWER | -.13 | 24.62 | 3.83 | 1.32 | 6.20 | -.13 | 14.20 |
| 2.00 | NR = .925 | 7.24 | 5970 | 1640 | 1.44 | 1329 | 25.2 | 98 | 1587 |
| | P2 = 3.67 | RAM | 1.12 | 2.00 | -1.03 | -.01 | 1.10 | 1.12 | -.02 |
| | T2 = 712 | BLEED | .02 | -2.34 | 5.39 | -.31 | -1.19 | .02 | 2.12 |
| | ERI = 0 | POWER | -.08 | 23.72 | 2.24 | 1.16 | 5.38 | -.08 | 12.01 |
| 2.30 | NR = .893 | 11.2 | 8950 | 1370 | 1.76 | 1422 | 31.2 | 128 | 1531 |
| | P2 = 5.67 | RAM | 1.15 | 2.45 | -1.52 | -.00 | 1.14 | 1.15 | -.01 |
| | T2 = 813 | BLEED | .01 | -3.81 | 8.08 | -.28 | -1.24 | .01 | 2.16 |
| | ERI = 0 | POWER | -.03 | 25.85 | -2.12 | .62 | 4.16 | -.03 | 8.98 |
| 2.50 | NR = .870 | 14.9 | 11500 | 1010 | 2.30 | 1483 | 35.3 | 152 | 1487 |
| | P2 = 7.55 | RAM | 1.17 | 3.41 | -2.76 | -.01 | 1.16 | 1.17 | -.01 |
| | T2 = 887 | BLEED | .01 | -6.88 | 12.96 | -.29 | -1.31 | .01 | 2.14 |
| | ERI = 0 | POWER | -.02 | 37.05 | -11.04 | .61 | 3.83 | -.02 | 8.14 |
| 2.70 | NR = .846 | 19.8 | 14200 | 300 | 6.31 | 1531 | 37.9 | 174 | 1406 |
| | P2 = 10.02 | RAM | 1.20 | 8.78 | -5.31 | -.00 | 1.19 | 1.20 | -.01 |
| | T2 = 967 | BLEED | .01 | -29.77 | 65.14 | -.34 | -1.42 | .01 | 2.00 |
| | ERI = 0 | POWER | -.03 | 122.64 | -67.39 | .57 | 3.71 | -.03 | 7.79 |

CONFIDENTIAL

CONFIDENTIAL

GEI 84219

GENERAL ELECTRIC GE4/F6A ESTIMATED PERFORMANCE

P.S.13.4

JANUARY 1964

STANDARD DAY

PRESSURE ALTITUDE 75000 FEET

| MO | P2/PO | P8/PO | WFT | T8 | A8 | FG8 | FN8 | SFCB | W2K | BTANG |
|------|-------|-------|-------|------|------|-------|--------|--------|------|-------|
| 1.80 | 5.43 | 6.36 | 2122 | 1177 | 1690 | 6070 | 1640 | 1.30 | 486 | 6.6 |
| | RAM | 1.09 | 1.05 | -.02 | .00 | 1.32 | 1.89 | -.92 | .05 | .00 |
| | BLEED | -.38 | 2.47 | 1.05 | .00 | -.49 | -1.91 | 4.50 | .03 | .00 |
| | POWER | 5.03 | 28.59 | 9.80 | .00 | 6.20 | 23.35 | 5.06 | -.13 | .00 |
| 2.00 | 7.24 | 7.74 | 2348 | 1187 | 1690 | 7670 | 1710 | 1.38 | 462 | 6.6 |
| | RAM | 1.11 | 1.07 | -.02 | .00 | 1.31 | 1.97 | -1.00 | .04 | .00 |
| | BLEED | -.41 | 2.86 | 1.06 | .00 | -.48 | -2.27 | 5.30 | .02 | .00 |
| | POWER | 4.27 | 26.06 | 8.05 | .00 | 5.04 | 22.96 | 2.97 | -.08 | .00 |
| 2.30 | 11.2 | 10.08 | 2422 | 1185 | 1690 | 10400 | 1480 | 1.64 | 417 | 3.0 |
| | RAM | 1.15 | 1.12 | -.00 | .00 | 1.32 | 2.36 | -1.41 | .03 | .00 |
| | BLEED | -.45 | 3.82 | 1.03 | .00 | -.50 | -3.63 | 7.88 | .01 | .00 |
| | POWER | 2.89 | 23.59 | 5.60 | .00 | 3.47 | 24.66 | -1.01 | -.03 | .00 |
| 2.50 | 14.9 | 11.91 | 2317 | 1186 | 1690 | 12600 | 1120 | 2.06 | 387 | .0 |
| | RAM | 1.17 | 1.12 | -.01 | .00 | 1.33 | 2.93 | -2.12 | .02 | .00 |
| | BLEED | -.48 | 4.74 | .97 | .00 | -.53 | -6.11 | 11.95 | .01 | .00 |
| | POWER | 2.48 | 24.85 | 4.74 | .00 | 2.91 | 32.94 | -7.39 | -.02 | .00 |
| 2.70 | 19.8 | 13.54 | 1891 | 1178 | 1690 | 14600 | 420 | 4.55 | 348 | .0 |
| | RAM | 1.20 | 1.14 | -.00 | -.00 | 1.35 | 6.66 | -4.14 | .02 | .00 |
| | BLEED | -.54 | 6.28 | .84 | .00 | -.60 | -21.59 | 41.21 | .01 | .00 |
| | POWER | 2.22 | 30.45 | 4.12 | .00 | 2.50 | 88.93 | -46.17 | -.03 | .00 |

SUPPLEMENTARY

INFORMATION

VOLUME E-IV (F)

PAGE 5-2:

The abscissa scale on the Inlet Total Temperature versus Inlet Total Pressure diagram is mislabeled by a factor of two and should read "0, 200, 400, 600, 800, 1000, 1200" instead of "200, 400, 600, 800, 1000, 1200, blank" as shown.

AD-377 960